

Global Antifreeze Proteins (AFP) Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Antifreeze Proteins (AFP) market size will reach 15.83 Million USD in 2025 and is projected to reach 24.13 Million USD by 2032, with a CAGR of 6.21% (2025-2032). Notably, the China Antifreeze Proteins (AFP) market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Antifreeze proteins (AFP) are a class of proteins that allow certain organisms to survive in sub-zero temperatures. These proteins work by binding to ice crystals and inhibiting their growth, so that they do not damage cells or tissues. AFPs have been found in a variety of organisms, including plants, fish, insects, and bacteria. They have potential applications in a range of fields, including cryopreservation, food storage, and medical technology. AFPs are an active area of research, with many scientists seeking to better understand how they work, and how they can be used to improve human health and well-being.

The major global manufacturers of Antifreeze Proteins (AFP) include Unilever, Kaneka, Global Fresh Biotech, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively

follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Antifreeze Proteins (AFP). Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Antifreeze Proteins (AFP) market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Antifreeze Proteins (AFP) market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Antifreeze Proteins (AFP) industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Antifreeze Proteins (AFP) Include:

Unilever

Kaneka

Global Fresh Biotech

Antifreeze Proteins (AFP) Product Segment Include:

Fish AFPs

Plant AFPs

Insect AFPs

Sea Ice Organisms AFPs

Others

Antifreeze Proteins (AFP) Product Application Include:

Medicine

Food

Others

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Antifreeze Proteins (AFP) Capacity and Production Analysis

Chapter 3: Global Antifreeze Proteins (AFP) Industry PESTEL Analysis

Chapter 4: Global Antifreeze Proteins (AFP) Industry Porter's Five Forces Analysis

Chapter 5: Global Antifreeze Proteins (AFP) Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 6: Global Antifreeze Proteins (AFP) Market Size and Forecast by Type and Application Analysis

Chapter 7: North America Antifreeze Proteins (AFP) Competitive Analysis (Market Size,

Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: Europe Antifreeze Proteins (AFP) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: China Antifreeze Proteins (AFP) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: APAC (Excl. China) Antifreeze Proteins (AFP) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Latin America Antifreeze Proteins (AFP) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Middle East and Africa Antifreeze Proteins (AFP) Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 13: Global Antifreeze Proteins (AFP) Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 14: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 15: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 16: Research Findings and Conclusion

Chapter 17: Methodology and Data Sources

Contents

1 ANTIFREEZE PROTEINS (AFP) MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Antifreeze Proteins (AFP) Product by Type
 - 1.2.1 Fish AFPs
 - 1.2.2 Plant AFPs
 - 1.2.3 Insect AFPs
 - 1.2.4 Sea Ice Organisms AFPs
 - 1.2.5 Others
- 1.3 Antifreeze Proteins (AFP) Product by Application
 - 1.3.1 Medicine
 - 1.3.2 Food
 - 1.3.3 Others
- 1.4 Global Antifreeze Proteins (AFP) Market Revenue and Sales Analysis
 - 1.4.1 Global Antifreeze Proteins (AFP) Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Antifreeze Proteins (AFP) Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Antifreeze Proteins (AFP) Market Sales Price Trend Analysis (2020-2032)
- 1.5 Antifreeze Proteins (AFP) Industry Trends and Innovation
 - 1.5.1 Antifreeze Proteins (AFP) Industry Trends and Innovation
 - 1.5.2 Antifreeze Proteins (AFP) Market Drivers and Challenges

2 GLOBAL ANTIFREEZE PROTEINS (AFP) CAPACITY AND PRODUCTION ANALYSIS

- 2.1 Global Antifreeze Proteins (AFP) Capacity, Production and Utilization (2020-2032)
- 2.2 Global Antifreeze Proteins (AFP) Production Growth Trend by Region: 2024 VS 2025 VS 2030
- 2.3 Global Antifreeze Proteins (AFP) Production by Region
 - 2.3.1 Global Antifreeze Proteins (AFP) Production by Region (2020-2025)
 - 2.3.2 Global Antifreeze Proteins (AFP) Production Forecast by Region (2026-2032)
 - 2.3.3 Global Antifreeze Proteins (AFP) Production Market Share by Region (2020-2032)

3 ANTIFREEZE PROTEINS (AFP) MARKET PESTEL ANALYSIS

- 3.1 Political Factors Analysis
- 3.2 Economic Factors Analysis

- 3.3 Social Factors Analysis
- 3.4 Technological Factors Analysis
- 3.5 Environmental Factors Analysis
- 3.6 Legal Factors Analysis

4 ANTIFREEZE PROTEINS (AFP) MARKET PORTER'S FIVE FORCES ANALYSIS

- 4.1 Competitive Rivalry
- 4.2 Threat of New Entrants
- 4.3 Bargaining Power of Suppliers
- 4.4 Bargaining Power of Buyers
- 4.5 Threat of Substitutes

5 GLOBAL ANTIFREEZE PROTEINS (AFP) MARKET ANALYSIS BY REGIONS

- 5.1 Antifreeze Proteins (AFP) Overall Market: 2024 VS 2025 VS 2032
- 5.2 Global Antifreeze Proteins (AFP) Revenue and Forecast Analysis (2020-2032)
 - 5.2.1 Global Antifreeze Proteins (AFP) Revenue and Market Share by Region (2020-2025)
 - 5.2.2 Global Antifreeze Proteins (AFP) Revenue and Market Forecast by Region (2026-2032)
- 5.3 Global Antifreeze Proteins (AFP) Sales and Forecast Analysis (2020-2032)
 - 5.3.1 Global Antifreeze Proteins (AFP) Sales and Market Share by Region (2020-2025)
 - 5.3.2 Global Antifreeze Proteins (AFP) Sales and Market Forecast by Region (2026-2032)
- 5.4 Global Antifreeze Proteins (AFP) Sales Price Trend Analysis (2020-2032)

6 GLOBAL ANTIFREEZE PROTEINS (AFP) MARKET SIZE BY TYPE AND APPLICATION

- 6.1 Global Antifreeze Proteins (AFP) Market Size by Type
 - 6.1.1 Global Antifreeze Proteins (AFP) Revenue and Forecast Analysis by Type (2020-2032)
 - 6.1.2 Global Antifreeze Proteins (AFP) Sales and Forecast Analysis by Type (2020-2032)
- 6.2 Global Antifreeze Proteins (AFP) Market Size by Application
 - 6.2.1 Global Antifreeze Proteins (AFP) Revenue and Forecast Analysis by Application (2020-2032)

6.2.2 Global Antifreeze Proteins (AFP) Sales and Forecast Analysis by Application (2020-2032)

7 NORTH AMERICA

7.1 North America Antifreeze Proteins (AFP) Market Size and Growth Rate Analysis (2020-2032)

7.2 North America Key Manufacturers Analysis

7.3 North America Antifreeze Proteins (AFP) Market Size by Type

7.3.1 North America Antifreeze Proteins (AFP) Sales by Type (2020-2032)

7.3.2 North America Antifreeze Proteins (AFP) Revenue by Type (2020-2032)

7.4 North America Antifreeze Proteins (AFP) Market Size by Application

7.4.1 North America Antifreeze Proteins (AFP) Sales by Application (2020-2032)

7.4.2 North America Antifreeze Proteins (AFP) Revenue by Application (2020-2032)

7.5 North America Antifreeze Proteins (AFP) Market Size by Country

7.5.1 US

7.5.2 Canada

8 EUROPE

8.1 Europe Antifreeze Proteins (AFP) Market Size and Growth Rate Analysis (2020-2032)

8.2 Europe Key Manufacturers Analysis

8.3 Europe Antifreeze Proteins (AFP) Market Size by Type

8.3.1 Europe Antifreeze Proteins (AFP) Sales by Type (2020-2032)

8.3.2 Europe Antifreeze Proteins (AFP) Revenue by Type (2020-2032)

8.4 Europe Antifreeze Proteins (AFP) Market Size by Application

8.4.1 Europe Antifreeze Proteins (AFP) Sales by Application (2020-2032)

8.4.2 Europe Antifreeze Proteins (AFP) Revenue by Application (2020-2032)

8.5 Europe Antifreeze Proteins (AFP) Market Size by Country

8.5.1 Germany

8.5.2 France

8.5.3 United Kingdom

8.5.4 Italy

8.5.5 Spain

8.5.6 Benelux

9 CHINA

9.1 China Antifreeze Proteins (AFP) Market Size and Growth Rate Analysis (2020-2032)

9.2 China Key Manufacturers Analysis

9.3 China Antifreeze Proteins (AFP) Market Size by Type

9.3.1 China Antifreeze Proteins (AFP) Sales by Type (2020-2032)

9.3.2 China Antifreeze Proteins (AFP) Revenue by Type (2020-2032)

9.4 China Antifreeze Proteins (AFP) Market Size by Application

9.4.1 China Antifreeze Proteins (AFP) Sales by Application (2020-2032)

9.4.2 China Antifreeze Proteins (AFP) Revenue by Application (2020-2032)

10 APAC (EXCL. CHINA)

10.1 APAC (excl. China) Antifreeze Proteins (AFP) Market Size and Growth Rate Analysis (2020-2032)

10.2 APAC (excl. China) Key Manufacturers Analysis

10.3 APAC (excl. China) Antifreeze Proteins (AFP) Market Size by Type

10.3.1 APAC (excl. China) Antifreeze Proteins (AFP) Sales by Type (2020-2032)

10.3.2 APAC (excl. China) Antifreeze Proteins (AFP) Revenue by Type (2020-2032)

10.4 APAC (excl. China) Antifreeze Proteins (AFP) Market Size by Application

10.4.1 APAC (excl. China) Antifreeze Proteins (AFP) Sales by Application (2020-2032)

10.4.2 APAC (excl. China) Antifreeze Proteins (AFP) Revenue by Application (2020-2032)

10.5 APAC (excl. China) Antifreeze Proteins (AFP) Market Size by Country

10.5.1 Japan

10.5.2 South Korea

10.5.3 India

10.5.4 Australia

10.5.5 Southeast Asia

11 LATIN AMERICA

11.1 Latin America Antifreeze Proteins (AFP) Market Size and Growth Rate Analysis (2020-2032)

11.2 Latin America Key Manufacturers Analysis

11.3 LATIN AMERICA ANTIFREEZE PROTEINS (AFP) MARKET SIZE BY TYPE

11.3.1 Latin America Antifreeze Proteins (AFP) Sales by Type (2020-2032)

11.3.2 Latin America Antifreeze Proteins (AFP) Revenue by Type (2020-2032)

11.4 Latin America Antifreeze Proteins (AFP) Market Size by Application

11.4.1 Latin America Antifreeze Proteins (AFP) Sales by Application (2020-2032)

11.4.2 Latin America Antifreeze Proteins (AFP) Revenue by Application (2020-2032)

11.5 Latin America Antifreeze Proteins (AFP) Market Size by Country

11.6 Latin America Antifreeze Proteins (AFP) Market Size by Country

11.6.1 Mexico

11.6.2 Brazil

12 MIDDLE EAST & AFRICA

12.1 Middle East & Africa Antifreeze Proteins (AFP) Market Size and Growth Rate Analysis (2020-2032)

12.2 Middle East & Africa Key Manufacturers Analysis

12.3 Middle East & Africa Antifreeze Proteins (AFP) Market Size by Type

12.3.1 Middle East & Africa Antifreeze Proteins (AFP) Sales by Type (2020-2032)

12.3.2 Middle East & Africa Antifreeze Proteins (AFP) Revenue by Type (2020-2032)

12.4 Middle East & Africa Antifreeze Proteins (AFP) Market Size by Application

12.4.1 Middle East & Africa Antifreeze Proteins (AFP) Sales by Application (2020-2032)

12.4.2 Middle East & Africa Antifreeze Proteins (AFP) Revenue by Application (2020-2032)

12.5 Middle East Antifreeze Proteins (AFP) Market Size by Country

12.5.1 Saudi Arabia

12.5.2 South Africa

13 COMPETITION BY MANUFACTURERS

13.1 Global Antifreeze Proteins (AFP) Market Sales, Revenue and Price by Key Manufacturers (2021-2025)

13.1.1 Global Antifreeze Proteins (AFP) Market Sales by Key Manufacturers (2021-2025)

13.1.2 Global Antifreeze Proteins (AFP) Market Revenue by Key Manufacturers (2021-2025)

13.1.3 Global Antifreeze Proteins (AFP) Average Sales Price by Manufacturers (2021-2025)

13.2 Antifreeze Proteins (AFP) Competitive Landscape Analysis and Market Dynamic

13.2.1 Antifreeze Proteins (AFP) Competitive Landscape Analysis

13.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

13.2.3 Market Dynamic

14 KEY COMPANIES ANALYSIS

14.1 Unilever

14.1.1 Unilever Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.1.2 Unilever Antifreeze Proteins (AFP) Product Portfolio

14.1.3 Unilever Antifreeze Proteins (AFP) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.2 Kaneka

14.2.1 Kaneka Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.2.2 Kaneka Antifreeze Proteins (AFP) Product Portfolio

14.2.3 Kaneka Antifreeze Proteins (AFP) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14.3 Global Fresh Biotech

14.3.1 Global Fresh Biotech Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

14.3.2 Global Fresh Biotech Antifreeze Proteins (AFP) Product Portfolio

14.3.3 Global Fresh Biotech Antifreeze Proteins (AFP) Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

15 INDUSTRY CHAIN ANALYSIS

15.1 Antifreeze Proteins (AFP) Industry Chain Analysis

15.2 Antifreeze Proteins (AFP) Industry Raw Material and Suppliers Analysis

15.2.1 Antifreeze Proteins (AFP) Key Raw Material Supply Analysis

15.2.2 Raw Material Suppliers and Contact Information

15.3 Antifreeze Proteins (AFP) Typical Downstream Customers

15.4 Antifreeze Proteins (AFP) Sales Channel Analysis

16 RESEARCH FINDINGS AND CONCLUSION

17 METHODOLOGY AND DATA SOURCE

17.1 Methodology/Research Approach

17.2 Research Scope

17.3 Benchmarks and Assumptions

17.4 Date Source

- 17.4.1 Primary Sources
- 17.4.2 Secondary Sources
- 17.5 Data Cross Validation
- 17.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1: Global Antifreeze Proteins (AFP) Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Antifreeze Proteins (AFP) Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Antifreeze Proteins (AFP) Industry Development Status

Table 4: Antifreeze Proteins (AFP) Industry Development Trends

Table 5: Global Antifreeze Proteins (AFP) Production Growth Rate (CAGR) by Region: 2024 VS 2025 VS 2032 (Kg)

Table 6: Global Antifreeze Proteins (AFP) Production by Region (2020-2025) & (Kg)

Table 7: Global Antifreeze Proteins (AFP) Production Forecast by Region (2026-2032) & (Kg)

Table 8: Global Antifreeze Proteins (AFP) Production Market Share by Region (2020-2025)

Table 9: Global Antifreeze Proteins (AFP) Production Market Share by Region (2026-2032)

Table 10: Global Antifreeze Proteins (AFP) Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 11: Global Antifreeze Proteins (AFP) Revenue by Region (2020-2025) & (US\$ Million)

Table 12: Global Antifreeze Proteins (AFP) Revenue Market Share by Region (2020-2025)

Table 13: Global Antifreeze Proteins (AFP) Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 14: Global Antifreeze Proteins (AFP) Revenue Market Share Forecast by Region (2026-2032)

Table 15: Global Antifreeze Proteins (AFP) Sales by Region (2020-2025) & (Kg)

Table 16: Global Antifreeze Proteins (AFP) Sales Market Share by Region (2020-2025)

Table 17: Global Antifreeze Proteins (AFP) Sales Forecast by Region (2026-2032) & (Kg)

Table 18: Global Antifreeze Proteins (AFP) Sales Market Share Forecast by Region (2026-2032)

Table 19: Global Antifreeze Proteins (AFP) Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 20: Global Antifreeze Proteins (AFP) Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 21: Global Antifreeze Proteins (AFP) Sales Analysis by Type (2020-2025) & (Kg)

- Table 22: Global Antifreeze Proteins (AFP) Sales Analysis Forecast by Type (2026-2032) & (Kg)
- Table 23: Global Antifreeze Proteins (AFP) Revenue Analysis by Application (2020-2025) & (US\$ Million)
- Table 24: Global Antifreeze Proteins (AFP) Revenue Analysis Forecast by Application (2026-2032) & (US\$ Million)
- Table 25: Global Antifreeze Proteins (AFP) Sales Analysis by Application (2020-2025) & (Kg)
- Table 26: Global Antifreeze Proteins (AFP) Sales Analysis Forecast by Application (2026-2032) & (Kg)
- Table 27: Key Antifreeze Proteins (AFP) Players in North America
- Table 28: North America Antifreeze Proteins (AFP) Sales by Type (2020-2025) & (Kg)
- Table 29: North America Antifreeze Proteins (AFP) Sales by Type (2026-2032) & (Kg)
- Table 30: North America Antifreeze Proteins (AFP) Revenue by Type (2020-2025) & (US\$ Million)
- Table 31: North America Antifreeze Proteins (AFP) Revenue by Type (2026-2032) & (US\$ Million)
- Table 32: North America Antifreeze Proteins (AFP) Sales by Application (2020-2025) & (Kg)
- Table 33: North America Antifreeze Proteins (AFP) Sales by Application (2026-2032) & (Kg)
- Table 34: North America Antifreeze Proteins (AFP) Revenue by Application (2020-2025) & (US\$ Million)
- Table 35: North America Antifreeze Proteins (AFP) Revenue by Application (2026-2032) & (US\$ Million)
- Table 36: North America Antifreeze Proteins (AFP) Revenue Market Size by Country (2020-2025) & (US\$ Million)
- Table 37: North America Antifreeze Proteins (AFP) Revenue Market Size by Country (2026-2032) & (US\$ Million)
- Table 38: North America Antifreeze Proteins (AFP) Sales Market Size by Country (2020-2025) & (Kg)
- Table 39: North America Antifreeze Proteins (AFP) Sales Market Size by Country (2026-2032) & (Kg)
- Table 40: Key Antifreeze Proteins (AFP) Players in Europe
- Table 41: Europe Antifreeze Proteins (AFP) Sales by Type (2020-2025) & (Kg)
- Table 42: Europe Antifreeze Proteins (AFP) Sales by Type (2026-2032) & (Kg)
- Table 43: Europe Antifreeze Proteins (AFP) Revenue by Type (2020-2025) & (US\$ Million)
- Table 44: Europe Antifreeze Proteins (AFP) Revenue by Type (2026-2032) & (US\$

Million)

Table 45: Europe Antifreeze Proteins (AFP) Sales by Application (2020-2025) & (Kg)

Table 46: Europe Antifreeze Proteins (AFP) Sales by Application (2026-2032) & (Kg)

Table 47: Europe Antifreeze Proteins (AFP) Revenue by Application (2020-2025) & (US\$ Million)

Table 48: Europe Antifreeze Proteins (AFP) Revenue by Application (2026-2032) & (US\$ Million)

Table 49: Europe Antifreeze Proteins (AFP) Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 50: Europe Antifreeze Proteins (AFP) Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 51: Europe Antifreeze Proteins (AFP) Sales Market Size by Country (2020-2025) & (Kg)

Table 52: Europe Antifreeze Proteins (AFP) Sales Market Size Forecast by Country (2026-2032) & (Kg)

Table 53: Key Antifreeze Proteins (AFP) Players in China

Table 54: China Antifreeze Proteins (AFP) Sales by Type (2020-2025) & (Kg)

Table 55: China Antifreeze Proteins (AFP) Sales by Type (2026-2032) & (Kg)

Table 56: China Antifreeze Proteins (AFP) Revenue by Type (2020-2025) & (US\$ Million)

Table 57: China Antifreeze Proteins (AFP) Revenue by Type (2026-2032) & (US\$ Million)

Table 58: China Antifreeze Proteins (AFP) Sales by Application (2020-2025) & (Kg)

Table 59: China Antifreeze Proteins (AFP) Sales by Application (2026-2032) & (Kg)

Table 60: China Antifreeze Proteins (AFP) Revenue by Application (2020-2025) & (US\$ Million)

Table 61: China Antifreeze Proteins (AFP) Revenue by Application (2026-2032) & (US\$ Million)

Table 62: Key Antifreeze Proteins (AFP) Players in APAC (excl. China)

Table 63: APAC (excl. China) Antifreeze Proteins (AFP) Sales by Type (2020-2025) & (Kg)

Table 64: APAC (excl. China) Antifreeze Proteins (AFP) Sales by Type (2026-2032) & (Kg)

Table 65: APAC (excl. China) Antifreeze Proteins (AFP) Revenue by Type (2020-2025) & (US\$ Million)

Table 66: APAC (excl. China) Antifreeze Proteins (AFP) Revenue by Type (2026-2032) & (US\$ Million)

Table 67: APAC (excl. China) Antifreeze Proteins (AFP) Sales by Application (2020-2025) & (Kg)

- Table 68: APAC (excl. China) Antifreeze Proteins (AFP) Sales by Application (2026-2032) & (Kg)
- Table 69: APAC (excl. China) Antifreeze Proteins (AFP) Revenue by Application (2020-2025) & (US\$ Million)
- Table 70: APAC (excl. China) Antifreeze Proteins (AFP) Revenue by Application (2026-2032) & (US\$ Million)
- Table 71:: APAC (excl. China) Antifreeze Proteins (AFP) Revenue Market Size by Country (2020-2025) & (US\$ Million)
- Table 72: APAC (excl. China) Antifreeze Proteins (AFP) Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)
- Table 73: APAC (excl. China) Antifreeze Proteins (AFP) Sales Market Size by Country (2020-2025) & (Kg)
- Table 74: APAC (excl. China) Antifreeze Proteins (AFP) Sales Market Size Forecast by Country (2026-2032) & (Kg)
- Table 75: Key Antifreeze Proteins (AFP) Players in Latin America
- Table 76: Latin America Antifreeze Proteins (AFP) Sales by Type (2020-2025) & (Kg)
- Table 77: Latin America Antifreeze Proteins (AFP) Sales by Type (2026-2032) & (Kg)
- Table 78: Latin America Antifreeze Proteins (AFP) Revenue by Type (2020-2025) & (US\$ Million)
- Table 79: Latin America Antifreeze Proteins (AFP) Revenue by Type (2026-2032) & (US\$ Million)
- Table 80: Latin America Antifreeze Proteins (AFP) Sales by Application (2020-2025) & (Kg)
- Table 81: Latin America Antifreeze Proteins (AFP) Sales by Application (2026-2032) & (Kg)
- Table 82: Latin America Antifreeze Proteins (AFP) Revenue by Application (2020-2025) & (US\$ Million)
- Table 83: Latin America Antifreeze Proteins (AFP) Revenue by Application (2026-2032) & (US\$ Million)
- Table 84: Latin America Antifreeze Proteins (AFP) Revenue Market Size by Country (2020-2025) & (US\$ Million)
- Table 85: Latin America Antifreeze Proteins (AFP) Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)
- Table 86: Latin America Antifreeze Proteins (AFP) Sales Market Size by Country (2020-2025) & (Kg)
- Table 87: Latin America Antifreeze Proteins (AFP) Sales Market Size Forecast by Country (2026-2032) & (Kg)
- Table 88: Key Antifreeze Proteins (AFP) Players in Middle East & Africa
- Table 89: Middle East & Africa Antifreeze Proteins (AFP) Sales by Type (2020-2025) &

(Kg)

Table 90: Middle East & Africa Antifreeze Proteins (AFP) Sales by Type (2026-2032) & (Kg)

Table 91: Middle East & Africa Antifreeze Proteins (AFP) Revenue by Type (2020-2025) & (US\$ Million)

Table 92: Middle East & Africa Antifreeze Proteins (AFP) Revenue by Type (2026-2032) & (US\$ Million)

Table 93: Middle East & Africa Antifreeze Proteins (AFP) Sales by Application (2020-2025) & (Kg)

Table 94: Middle East & Africa Antifreeze Proteins (AFP) Sales by Application (2026-2032) & (Kg)

Table 95: Middle East & Africa Antifreeze Proteins (AFP) Revenue by Application (2020-2025) & (US\$ Million)

Table 96: Middle East & Africa Antifreeze Proteins (AFP) Revenue by Application (2026-2032) & (US\$ Million)

Table 97: Middle East & Africa Antifreeze Proteins (AFP) Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 98: Middle East & Africa Antifreeze Proteins (AFP) Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 99: Middle East & Africa Antifreeze Proteins (AFP) Sales Market Size by Country (2020-2025) & (Kg)

Table 100: Middle East & Africa Antifreeze Proteins (AFP) Sales Market Size Forecast by Country (2026-2032) & (Kg)

Table 101: Global Antifreeze Proteins (AFP) Market Sales by Key Manufacturers (2021-2025) & (Kg)

Table 102: Global Antifreeze Proteins (AFP) Sales Market Share by Key Manufacturers (2021-2025)

Table 103: Global Antifreeze Proteins (AFP) Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)

Table 104: Global Antifreeze Proteins (AFP) Revenue Market Share by Key Manufacturers (2021-2025)

Table 105: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Kg)

Table 106: Global Key Manufacturers Headquarter Location and Key Area Sales

Table 107: Market Mergers & Acquisitions, Expansion

Table 108: Unilever Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 109: Unilever Antifreeze Proteins (AFP) Product Portfolio

Table 110: Unilever Antifreeze Proteins (AFP) Revenue (US\$ Million), Sales (Kg), Price (USD/Kg), Gross Margin and Market Share (2021-2025)

Table 111: Kaneka Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 112: Kaneka Antifreeze Proteins (AFP) Product Portfolio

Table 113: Kaneka Antifreeze Proteins (AFP) Revenue (US\$ Million), Sales (Kg), Price (USD/Kg), Gross Margin and Market Share (2021-2025)

Table 114: Global Fresh Biotech Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 115: Global Fresh Biotech Antifreeze Proteins (AFP) Product Portfolio

Table 116: Global Fresh Biotech Antifreeze Proteins (AFP) Revenue (US\$ Million), Sales (Kg), Price (USD/Kg), Gross Margin and Market Share (2021-2025)

Table 117: Upstream Key Raw Material Price List

Table 118: Antifreeze Proteins (AFP) Raw Material Suppliers and Contact Information

Table 119: Antifreeze Proteins (AFP) Typical Customer List

Table 120: Antifreeze Proteins (AFP) Distributors List

List Of Figures

LIST OF FIGURES

Figure 1: Antifreeze Proteins (AFP) Product Pictures

Figure 2: Fish AFPs Picture Scope

Figure 3: Plant AFPs Picture Scope

Figure 4: Insect AFPs Picture Scope

Figure 5: Sea Ice Organisms AFPs Picture Scope

Figure 6: Others Picture Scope

Figure 7: Medicine Picture Scope

Figure 8: Food Picture Scope

Figure 9: Others Picture Scope

Figure 10: Global Antifreeze Proteins (AFP) Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)

Figure 11: Global Antifreeze Proteins (AFP) Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)

Figure 12: Global Antifreeze Proteins (AFP) Market Sales and Growth Rate Analysis (2020-2032) & (Kg)

Figure 13: Global Antifreeze Proteins (AFP) Market Price Trend Analysis (2020-2032) & (USD/Kg)

Figure 14: Global Antifreeze Proteins (AFP) Capacity, Production and Utilization (2019-2030) & (Kg)

Figure 15: Global Antifreeze Proteins (AFP) Production by Region: 2023 VS 2024 VS 2030 (Kg)

Figure 16: Global Antifreeze Proteins (AFP) Production Market Share by Region in Percentage: 2024 Versus 2030

Figure 17: Global Antifreeze Proteins (AFP) Production Market Share by Region (2019-2030)

Figure 18: Global Antifreeze Proteins (AFP) Market Size by Region (2020-2032) & (US\$ Million)

Figure 19: Global Antifreeze Proteins (AFP) Market Share Scenario by Region in Percentage: 2025 Versus 2032

Figure 20: Global Antifreeze Proteins (AFP) Sales Price by Region (2020-2032) & (Kg)

Figure 21: North America Antifreeze Proteins (AFP) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 22: North America Antifreeze Proteins (AFP) Revenue Market Share by Players in 2024

Figure 23: North America Antifreeze Proteins (AFP) Sales Market Share by Type

(2020-2032)

Figure 24:North America Antifreeze Proteins (AFP) Revenue Market Share by Type (2020-2032)

Figure 25:North America Antifreeze Proteins (AFP) Sales Market Share by Application (2020-2032)

Figure 26:North America Antifreeze Proteins (AFP) Revenue Market Share by Application (2020-2032)

Figure 27:US Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 28:Canada Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 29:Europe Antifreeze Proteins (AFP) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 30:Europe Antifreeze Proteins (AFP) Revenue Market Share by Players in 2024

Figure 31:Europe Antifreeze Proteins (AFP) Sales Market Share by Type (2020-2032)

Figure 32:Europe Antifreeze Proteins (AFP) Revenue Market Share by Type (2020-2032)

Figure 33:Europe Antifreeze Proteins (AFP) Sales Market Share by Application (2020-2032)

Figure 34:Europe Antifreeze Proteins (AFP) Revenue Market Share by Application (2020-2032)

Figure 35:Germany Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 36:France Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 37:United Kingdom Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 38:Italy Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 39:Spain Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 40:Benelux Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 41:China Antifreeze Proteins (AFP) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 42:China Antifreeze Proteins (AFP) Revenue Market Share by Players in 2024

Figure 43:China Antifreeze Proteins (AFP) Sales Market Share by Type (2020-2032)

Figure 44:China Antifreeze Proteins (AFP) Revenue Market Share by Type (2020-2032)

Figure 45:China Antifreeze Proteins (AFP) Sales Market Share by Application (2020-2032)

Figure 46:China Antifreeze Proteins (AFP) Revenue Market Share by Application (2020-2032)

Figure 47:APAC (excl. China) Antifreeze Proteins (AFP) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 48:APAC (excl. China) Antifreeze Proteins (AFP) Revenue Market Share by Players in 2024

Figure 49:APAC (excl. China) Antifreeze Proteins (AFP) Sales Market Share by Type (2020-2032)

Figure 50:APAC (excl. China) Antifreeze Proteins (AFP) Revenue Market Share by Type (2020-2032)

Figure 51:APAC (excl. China) Antifreeze Proteins (AFP) Sales Market Share by Application (2020-2032)

Figure 52:APAC (excl. China) Antifreeze Proteins (AFP) Revenue Market Share by Application (2020-2032)

Figure 53:Japan Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 54:South Korea Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 55:India Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 56:Australia Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 57:Southeast Asia Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 58:Latin America Antifreeze Proteins (AFP) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 59:Latin America Antifreeze Proteins (AFP) Revenue Market Share by Players in 2024

Figure 60:Latin America Antifreeze Proteins (AFP) Sales Market Share by Type (2020-2032)

Figure 61:Latin America Antifreeze Proteins (AFP) Revenue Market Share by Type (2020-2032)

Figure 62:Latin America Antifreeze Proteins (AFP) Sales Market Share by Application (2020-2032)

Figure 63:Latin America Antifreeze Proteins (AFP) Revenue Market Share by Application (2020-2032)

Figure 64:Mexico Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 65:Brazil Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 66:Middle East & Africa Antifreeze Proteins (AFP) Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 67:Middle East & Africa Antifreeze Proteins (AFP) Revenue Market Share by Players in 2024

Figure 68:Middle East & Africa Antifreeze Proteins (AFP) Sales Market Share by Type (2020-2032)

Figure 69:Middle East & Africa Antifreeze Proteins (AFP) Revenue Market Share by Type (2020-2032)

Figure 70:Middle East & Africa Antifreeze Proteins (AFP) Sales Market Share by Application (2020-2032)

Figure 71:Middle East & Africa Antifreeze Proteins (AFP) Revenue Market Share by

Application (2020-2032)

Figure 72: Saudi Arabia Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 73: South Africa Antifreeze Proteins (AFP) Revenue (2020-2032) & (US\$ Million)

Figure 74: Global Antifreeze Proteins (AFP) Sales Market Share by Key Manufacturers in 2024

Figure 75: Global Antifreeze Proteins (AFP) Revenue Market Share by Key Manufacturers in 2024

Figure 76: Global Antifreeze Proteins (AFP) Industry Competition Landscape

Figure 77: Antifreeze Proteins (AFP) Industry Chain Analysis

Figure 78: Bottom-Up and Top-Down Research Methods

Figure 79: Key Interview Objectives

Figure 80: Data Cross Validation

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