

Global Antifreeze Proteins Market Size study, by Type (Type I, Type III, Antifreeze Glycoproteins), by Form (Solid, Liquid), by End Use (Medical, Cosmetics, Food), by Source and by Regional Forecasts 2018-2025

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Abstracts

Global Antifreeze Proteins Market to reach USD 16.65 million by 2025.

Global Antifreeze Proteins Market valued approximately USD 1.92 million in 2017 is anticipated to grow with a healthy growth rate of more than 31% over the forecast period 2018-2025. Antifreeze proteins, also known as ice structuring proteins or ice-binding proteins, bind to ice and subsequently inhibit the growth of ice crystals. They are biological antifreeze materials originally found in polar fish and also in certain plants and insects and the use of solid antifreeze protein in the medical and food sectors is rapidly growing. The increase in demand for solid antifreeze proteins from the frozen food industry is projected to drive the solid segment during the review period. The Protein extraction process depends on the source and the type of antifreeze protein required. Recently, the demand for Type III has been rising due to the advancements in extraction technologies making them fit for cosmetic and food applications the Technological advancements in the field of biotechnology in countries are leading to antifreeze protein product development activities for use in medical procedures such as cryosurgery, organ transplant, and vaccines. But The high cost of production and R&D expenditure and market consolidation limiting the free entry of new players are some of the restraints surrounding the antifreeze proteins market.

The regional analysis of Global Antifreeze Proteins Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. Europe and North America are estimated to be the dominant regions in the

antifreeze proteins market in 2018. North America has several national research institutes which support biotechnology and life sciences research which in turn supports the growth of the antifreeze proteins market, identifying new areas of applications. However, North America is projected to be the fastest-growing market during the forecast period, due to increased awareness and government funding for proteomics and life sciences research and increasing R&D investments in the region.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Type I

Type III

Antifreeze Glycoproteins

By Form:

Solid

Liquid

By End Use:

Medical

Cosmetics

Food

By Source:

Fish

Plants

Insects

By Regions:

North America

U.S.

Canada

Europe

UK

Germany

Asia Pacific

China

India

Japan

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2015, 2016

Base year – 2017

Forecast period – 2018 to 2025

The industry is seeming to be fairly competitive. Some of the leading market players include Kaneka Corporation, Aqua Bounty Technologies, Sirona Biochem., Unilever, Protokinetix Inc. and so on. Acquisitions and effective mergers are some of the strategies adopted by the key manufacturers. New product launches and continuous technological innovations are the key strategies adopted by the major players.

Target Audience of the Global Antifreeze Proteins Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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