

# Global Plant Proteases Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Plant Proteases market size is expected to reach \$ 191 million by 2032, rising at a market growth of 6.6% CAGR during the forecast period (2026-2032).

Plant proteases are a class of hydrolytic enzymes derived from plant tissues (such as papaya, pineapple, and fig). They catalyze the breakdown of proteins into polypeptides or amino acids and are widely used in food processing, pharmaceuticals, animal feed, and biotechnology. They are characterized by their naturalness, safety, and clean labeling. In 2025, global sales of plant proteases reached 12,000 tons, with an average price of US\$99.85 million per ton, corresponding to a market size of approximately US\$120 million. The industry's gross profit margin is approximately 30%–60%. The upstream of the plant protease industry chain mainly includes the supply of plant raw materials (papaya, pineapple, fig, etc.), agricultural planting systems, and basic chemical reagents (buffer solutions, stabilizers, etc.). The supply of raw materials exhibits significant regional and seasonal characteristics. For example, bromelain mainly relies on agricultural resources in tropical regions, making upstream prices and supply stability susceptible to climate and agricultural product fluctuations. The midstream is the core production stage, including enzyme extraction (pressing, centrifugation), purification (precipitation, membrane filtration, chromatography), and formulation (spray drying, stabilization). With the development of biotechnology, some companies have begun to use recombinant expression to replace traditional plant extraction to improve consistency and reduce costs. Downstream applications cover the food industry (meat tenderizers, dairy processing), pharmaceuticals (anti-inflammatory drugs, digestive agents), animal feed (improving protein digestibility), and industrial fields (leather softening, detergents).

This report studies the global Plant Proteases production, demand, key manufacturers,

and key regions.

This report is a detailed and comprehensive analysis of the world market for Plant Proteases and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Plant Proteases that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Plant Proteases total production and demand, 2021-2032, (Tons)

Global Plant Proteases total production value, 2021-2032, (USD Million)

Global Plant Proteases production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Plant Proteases consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Plant Proteases domestic production, consumption, key domestic manufacturers and share

Global Plant Proteases production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Plant Proteases production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Plant Proteases production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Plant Proteases market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Enzybel-BSC, PATEL REMEDIES, Fruzyme Biotech, Pangbo Enzyme, Nanning Doing-Higher Bio-Tech, Fruzyme, Enzyme Development, Enzyme Bioscience Private Limited, SI Biozyme, Enzyme Innovation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Plant Proteases market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Plant Proteases Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Plant Proteases Market, Segmentation by Type:

Papain

Bromelain

Ficin

Actinidin

Others

#### Global Plant Proteases Market, Segmentation by pH Type:

Acid Protease

Neutral Protease

Alkaline Protease

Global Plant Proteases Market, Segmentation by Application:

Food Industry

Pharmaceuticals & Healthcare

Feed

Industry

Companies Profiled:

Enzybel-BSC

PATEL REMEDIES

Fruzyme Biotech

Pangbo Enzyme

Nanning Doing-Higher Bio-Tech

Fruzyme

Enzyme Development

Enzyme Bioscience Private Limited

SI Biozyme

Enzyme Innovation

Key Questions Answered:

1. How big is the global Plant Proteases market?
2. What is the demand of the global Plant Proteases market?
3. What is the year over year growth of the global Plant Proteases market?
4. What is the production and production value of the global Plant Proteases market?
5. Who are the key producers in the global Plant Proteases market?
6. What are the growth factors driving the market demand?

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