

Global Plant Proteases Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Plant Proteases market size was valued at US\$ 123 million in 2025 and is forecast to a readjusted size of US\$ 191 million by 2032 with a CAGR of 6.6% during review period.

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 is a detailed and comprehensive analysis for global Plant Proteases market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Plant Proteases market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Plant Proteases market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Plant Proteases market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Plant Proteases market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Plant Proteases

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Plant Proteases market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Plant Proteases market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Papain

Bromelain

Ficin

Actinidin

Others

Market segment by pH Type

Acid Protease

Neutral Protease

Alkaline Protease

Market segment by Application

Food Industry

Pharmaceuticals & Healthcare

Feed

Industry

Major players covered

Enzybel-BSC

PATEL REMEDIES

Fruzyme Biotech

Pangbo Enzyme

Nanning Doing-Higher Bio-Tech

Fruzyme

Enzyme Development

Enzyme Bioscience Private Limited

SI Biozyme

Enzyme Innovation

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Plant Proteases product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Plant Proteases, with price, sales quantity, revenue, and global market share of Plant Proteases from 2021 to 2026.

Chapter 3, the Plant Proteases competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Plant Proteases breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Plant Proteases market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Plant Proteases.

Chapter 14 and 15, to describe Plant Proteases sales channel, distributors, customers, research findings and conclusion.

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