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Protease Market anticipated to surpass US$3.663 billion by 2030 at a CAGR of 5.91%

The protease market is anticipated to grow at a CAGR of 5.91%, from US$2.749 billion in 2025 to US$3.663 billion by 2030.

NEW YORK, NY, UNITED STATES, February 18, 2025 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, the protease market is projected to grow at a CAGR of 5.91% between 2025 and 2030 to reach US$3.663 billion by 2030.

Global Protease Market

Proteases are a wide class of enzymes utilized commercially, particularly in food, detergent, and pharmaceutical applications. They consist of amidases, peptidases, and proteinases. Proteases are significant industrial enzymes with a wide variety of uses in chemical and biological processes that break down peptide bonds in proteins. One of the most intriguing aspects of proteases is their capacity to produce natural products at gentler reaction conditions while also displaying stereospecificity, specificity, and biodegradability.

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>
> *Knowledge Sourcing Intelligence*

Owing to their potential as popular instruments for protein analysis, DNA research, and recombinant DNA (rDNA) technologies, the market will most certainly continue to be driven by biotechnology and research. They are so critical to biopharmaceutical manufacturing, purification, and drug discovery operations. They are also used in diagnostic tests and enzyme replacement therapy. Rapid advances in genetic engineering and biotechnology will also call into question the requirement for innovative specialty proteases with specialized functions.

Access sample report or view details: https://www.knowledge-sourcing.com/report/protease-

Based on the source, the protease market is divided into plants, animals, and microbes. Proteases derived from plants, like papain in papaya and bromelain in pineapples, are isolated from plant tissues. Proteases from animals, like trypsin and chymotrypsin, are obtained from animal organs and tissues. Microbial proteases, which are made by bacteria and fungi, account for much of the market because of the cost-effectiveness and efficiency of large-scale fermentations.

By form, the protease market is segmented into powder, liquid, and others. Liquid protease systems provide convenience for uses that need quick dispersion or blending and are thereby designed for applications in detergents and specific food processing uses. The "other" category includes less frequently used forms such as granules, gels, and specially formulated products for targeted or specialty use within a variety of industries.

Based on application, the market is bifurcated into the animal feed industry, food & beverage industry, and others. In animal nutrition, proteases improve protein digestibility, enhancing nutrient uptake and healthy livestock development. In the food and beverage industry, proteases have multiple functions, ranging from meat tenderization, improvement in baking, brewing operations, and cheese making, to eventually influencing the taste, texture, and digestibility of food. The "other" category is a wide variety of applications, ranging from detergents (for good stain removal), pharmaceuticals (in certain medicines and treatments), and leather treatment, to even newer areas such as biofuel manufacture.

Geographically, in North America, proteases are used within the complex and sophisticated sectors of biotechnology and pharmaceuticals for application in therapeutics, protein engineering, and drug development. The US FDA provides a regulatory environment that helps develop and commercialize protease-based products and the food and pharmaceutical industries; regulation assists in the market adoption of proteases by ensuring they are effective and safe.

As a part of the report, the major players operating in the protease market that have been covered are Novozymes A/S, Advanced Enzyme Technologies, DSM, Associated British Food, Neova Technologies Inc, Thermo Fisher Scientific, and Kemin Industries among others.

The market analytics report segments the protease market on the following basis:

• By Source

o Plants
o Animals
o Microbes

- By Form

  o Powder
  o Liquid
  o Others

- By Application

  o Animal feed industry
  o Food & Beverage industry
  o Others

- By Geography

- North America

  o USA
  o Canada
  o Mexico

- South America

  o Brazil
  o Argentina
  o Others

- Europe

  o United Kingdom
  o Germany
  o Italy
  o Spain
  o Others

- Middle East and Africa

  o Saudi Arabia
  o UAE
  o Israel
  o Others

- Asia Pacific

o Japan
o China
o India
o South Korea
o Taiwan
o Thailand
o Indonesia
o Others

• Companies Profiled

o E.I. Du Pont De Nemours and Company
o Novozymes A/S
o Advanced Enzyme Technologies
o DSM
o Associated British Food
o Neova Technologies Inc
o Thermo Fisher Scientific
o Kemin Industries
o Promega Corporation
o Merck
o Novus International Inc.
o International Flavors & Fragrances Inc.
o Biocatalyst Ltd.
o Novonesis Group.
o Bioseutica BV.

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Knowledge Sourcing Intelligence (KSI) is a market research and intelligence provider that uses a combination of quantitative and qualitative research techniques to deliver comprehensive, in-depth insights to clients. Our approach to market research is centered around the concept of 'Knowledge Sourcing' - the process of gathering data and insights from multiple sources to create a comprehensive and well-rounded picture of the market. KSI's core services include market intelligence, competitive intelligence, customer intelligence, and product intelligence. KSI's approach to market research is designed to help clients make informed decisions, identify opportunities, and gain a better understanding of their target markets. By using a combination of primary and secondary research techniques, we provide clients with detailed insights into current market trends, customer profiles, competitor analysis, and product performance. KSI's market research and intelligence services enable clients to make informed decisions, develop strategic plans, and identify areas of opportunity.

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