

## **Proteases Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

Market Report | 2023-01-23 | 100 pages | Mordor Intelligence

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### **Report description:**

The protease market is projected to record a CAGR of 5.8% during the forecast period (2022-2027).

The COVID19 outbreak significantly impacted the proteases market due to the closure of several manufacturing units in the first quarter of 2021. Several research studies found that proteases are promising drug targets for the antiviral treatment of COVID-19. However, drug development and therapeutics could be a highly complex process. Thereby, the demand for these enzymes from several end-user industries rose, thus positively impacting the market.

Proteases are the largest group of enzymes with an essential role in many industries, especially food, detergents, and pharmaceuticals.

Protease enzymes help improve the digestibility of some foods. They are critical for the development of many FMCG products. The main driver of the market is the multiple applications of proteases in diverse industries. Their eco-friendly nature due to their non-toxic and non-pathogenic attributes is an added advantage boosting the market.

### Proteases Market Trends

#### Rising Application of Proteases

Protease enzymes are significantly used in the food and beverages industries to improve the flavor, nutritional value, solubility, and digestibility of food protein. This enzyme has many applications, such as brewing, coagulation of milk, and other uses. For instance, in the baking industry, for quicker preparation of dough, its gluten is partially hydrolyzed by a heat-labile fungal protease because of its early inactivation in subsequent baking. Alkaline proteases are used to prepare protein hydrolysates of high nutritional value with a well-defined peptide profile. They also play a crucial role in meat tenderization, especially beef. Among the seafood products, food enzymes, particularly protease, are catalyzed for their benefits, such as improving oil separation and

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higher yield. They help save energy and enhance protein value and digestibility. They also offer better functional properties, such as emulsification, solubility, fat- and water-binding, and improved removal of residual meat, to achieve 'clean' fish frames for use as a source of calcium.

#### Asia-Pacific is the Fastest-growing Market

Asia-Pacific is the fastest-growing region as it comprises countries with the highest population. This factor has made Asia-Pacific the most productive market for protease enzymes by applications. The region also presents untapped growth potential for protease enzymes in food, detergents, and pharmaceutical products. The protease market is witnessing rapid growth due to the increasing demand for processed food and animal feed in the region and the wide applications of enzymes, including in the processed food industry. These enzymes are used to reduce the mixing time, decrease dough consistency and uniformity, regulate the gluten strength in bread, and improve the texture and flavor. Due to the growing usage of proteases, the demand is escalating, which is further driving the market.

#### Proteases Market Competitor Analysis

The proteases market is mature due to the presence of several domestic and global players. The major players in this sector are DuPont, Koninklijke DSM NV, Novozymes AS, Advanced Enzyme Technologies, and Merck KGaA. The key strategies adopted by these players are mergers and acquisitions, which help them sustain a leading position in the market and build a strong brand image. Some other top players adopt product innovations and new product developments as their key strategies to cater to consumer demand and preferences. Companies also engage in product innovation to expand their product portfolios.

#### Additional Benefits:

The market estimate (ME) sheet in Excel format  
3 months of analyst support

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