

South Korea Enzymes Market Size, Share, Trends and Forecast by Type, Source, Reaction Type, Application, and Region, 2026-2034

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Abstracts

The South Korea enzymes market size reached USD 284.0 Million in 2025. Looking forward, IMARC Group expects the market to reach USD 530.4 Million by 2034, exhibiting a growth rate (CAGR) of 6.90% during 2026-2034. The enzymes market in South Korea is gaining momentum through rising demand for digestive health supplements among seniors and advancements in enzyme therapeutics. Backed by biotech innovation and consumer trends, the market is expanding its footprint in health, wellness, and pharmaceutical applications, boosting the overall South Korea enzymes market share.

SOUTH KOREA ENZYMES MARKET TRENDS:

Rise in Geriatric Population and Digestive Health Products

South Korea's growing elderly population is driving the demand for enzyme-based digestive health products. According to the 2024 Statistics on the Aged , people aged 65 and older currently constitute 19.2% of the population, a rate anticipated to exceed 20% in 2025 and hit 30% by 2036. This demographic shift has direct effects on the health supplement industry, particularly concerning digestion-related aspects. Elderly individuals generally generate a lower quantity of digestive enzymes, impacting nutrient absorption and potentially leading to gastrointestinal issues. In reaction, local businesses are broadening their product offerings with enzyme-enhanced formulas that aid lactose digestion, protein breakdown, and overall gut wellness. These items are designed for convenience, frequently offered in capsule, powder, or liquid formats with clear labeling. The rise of e-commerce and pharmacy distribution is making them highly accessible. Brands are capitalizing on the cultural popularity of fermented foods, such

as kimchi and doenjang, that inherently feature enzymes, combining traditional styles with added advantages. This alignment of consumer behaviors and contemporary health solutions is aiding enzymes in establishing enduring popularity among the elderly. Caregivers and elderly individuals are increasingly taking initiative in preventive care, seeking convenient and effective non-prescription alternatives. The convergence of demographic needs, cultural practices, and focused product innovation is establishing enzyme-based digestive aids as a steadily expanding sector in South Korea's health and wellness industry.

Advancements in Enzyme Therapeutics

The growing emphasis on ribonucleic acid (RNA) interference (RNAi) technologies is contributing to the South Korea enzymes market growth, especially within the pharmaceutical and biotech industries. RNAi allows for accurate silencing of targeted genes, including those that code for enzymes involved in metabolic and inflammatory conditions. This is creating a new avenue for targeting enzymes at the genetic level, providing improved specificity and fewer off-target effects than traditional therapies. Biotech companies in South Korea are investing in RNAi technologies to tackle diseases that have few treatment choices, particularly those related to enzyme malfunctions in the liver, cardiovascular system, and metabolic pathways. The local ecosystem, which is backed by cutting-edge genomic studies, simplified regulations, and collaborations with international pharmaceutical firms, is fast-tracking early development and clinical testing. This momentum is also catalyzing the demand for assays related to enzymes, profiling of biomarkers, and technologies for delivery. With RNAi therapies progressing from research to market, their combination with enzyme-targeting methods is anticipated to transform treatment benchmarks for numerous chronic illnesses. In line with this trend, in 2025, South Korea's OliX Pharmaceuticals signed a \$660 million global licensing deal with Eli Lilly to develop OLX75016, a Phase 1 RNAi candidate targeting the MARC1 enzyme for treating metabolic-associated steatohepatitis (MASH) and related diseases. The collaboration aims to advance innovative therapies addressing liver and cardiometabolic conditions.

SOUTH KOREA ENZYMES MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on type, source, reaction type, and application.

Type Insights:

Protease

Carbohydrase

Lipase

Polymerase and Nuclease

Others

The report has provided a detailed breakup and analysis of the market based on the type. This includes protease, carbohydrase, lipase, polymerase and nuclease, and others.

Source Insights:

Microorganisms

Plants

Animals

A detailed breakup and analysis of the market based on the source have also been provided in the report. This includes microorganisms, plants, and animals.

Reaction Type Insights:

Hydrolase

Oxidoreductase

Transferase

Lyase

Others

The report has provided a detailed breakup and analysis of the market based on the reaction type. This includes hydrolase, oxidoreductase, transferase, lyase, and others.

Application Insights:

Food and Beverages

Household Care

Bioenergy

Pharmaceutical and Biotechnology

Feed

Others

A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes food and beverages, household care, bioenergy, pharmaceutical and biotechnology, feed, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea enzymes market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea enzymes market on the basis of type?

What is the breakup of the South Korea enzymes market on the basis of source?

What is the breakup of the South Korea enzymes market on the basis of reaction type?

What is the breakup of the South Korea enzymes market on the basis of application?

What is the breakup of the South Korea enzymes market on the basis of region?

What are the various stages in the value chain of the South Korea enzymes market?

What are the key driving factors and challenges in the South Korea enzymes market?

What is the structure of the South Korea enzymes market and who are the key players?

What is the degree of competition in the South Korea enzymes market?

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