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South Korea Proteomics Market Size, Share, Trends and Forecast by Analysis Type, Component Type, Technology, Application, End User, and Region, 2026-2034

https://marketpublishers.com/r/SAB71A156C7DEN.html
Date: July 2026
Pages: 119
Price: US$ 2,999.00 (Single User License)
ID: SAB71A156C7DEN

Abstracts

The South Korea proteomics market size reached USD 909.8 Million in 2025. Looking forward, the market is expected to reach USD 3,376.9 Million by 2034, exhibiting a growth rate (CAGR) of 15.22% during 2026-2034. The region's strong investments in biomedical research, advanced proteomic platforms, expanding bioinformatics infrastructure, and supportive government policies are fueling market growth. Collaborative initiatives and rising R&D spending boost innovation and adoption while enhancing regional competitiveness, further enhancing South Korea proteomics market share.

SOUTH KOREA PROTEOMICS MARKET TRENDS:

Rising Biomedical R&D Investments

Robust funding and heightened focus on biomedical and drug discovery initiatives are driving expansion of the South Korea proteomics market. Universities, hospitals, and biotech firms are increasing proteomic research, especially in biomarker discovery and personalized medicine. These investments support advanced instrumentation and analytical capacity, enabling precise disease mapping and accelerated therapeutic development. Resulting growth enhances South Korea Proteomics market growth. For instance, in June 2025, Novogene established Novogene Korea Limited in Seoul to expand its multi-omics research support. The new subsidiary offers localized services in genomics, transcriptomics, proteomics, and metabolomics, enabling faster and cost-effective project delivery. Backed by Korea's strong R&D ecosystem, Novogene aims

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to partner with local universities, startups, and hospitals to advance discoveries in precision medicine, cancer research, agriculture, and microbiome studies.

Strength of Bioinformatics & Core Proteomics Services

Increasing demand for bioinformatics and comprehensive proteomic services underpins South Korea proteomics market growth. Core facilities and software platforms streamline large-scale data interpretation, enabling researchers to integrate complex protein datasets effectively. Growth in single-cell proteomics and mass spectrometry applications underscores the value of specialized analytics, strengthening capacity in diagnostic and academic sectors. For instance, in April 2025, South Korea's DAAN Biotherapeutics and GC Cell signed an exclusive licensing deal to develop CAR-T and CAR-NK therapies targeting a tumour antigen overexpressed in major solid cancers like lung and colorectal. The partnership combines DAAN’s high-specificity antibody technology with GC Cell’s CAR cell platforms to enhance therapeutic precision and reduce side effects. The agreement includes upfront and milestone payments, plus royalties, marking a major step toward commercializing advanced cell therapies for solid tumors.

SOUTH KOREA PROTEOMICS 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 analysis type, component type, technology, application, and end user.

Analysis Type Insights:

Structural Proteomics

Functional Proteomics

Protein Expression Proteomics

The report has provided a detailed breakup and analysis of the market based on the?analysis type. This includes structural proteomics, functional proteomics, and protein expression proteomics.

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Component Type Insights:

- Core Proteomics Services
- Bioinformatics Software and Related Services

A detailed breakup and analysis of the market based on the component type have also been provided in the report. This includes core proteomics services and bioinformatics software and related services.

Technology Insights:

- Spectroscopy
- Chromatography
- Electrophoresis
- Protein Microarrays
- X-Ray Crystallography
- Surface Plasmon Resonance
- Others

The report has provided a detailed breakup and analysis of the market based on the?technology. This includes spectroscopy, chromatography, electrophoresis, protein microarrays, X-ray crystallography, surface plasmon resonance, and others.

Application Insights:

- Protein Expression Profiling
- Proteome Mining
- Post-translational Modifications

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A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes protein expression profiling, proteome mining, and post-translational modifications.

End User Insights:

Clinical Diagnostic Laboratories

Research Organizations (Drug Discovery)

Others

The report has provided a detailed breakup and analysis of the market based on the?end user. This includes clinical diagnostic laboratories, research organizations (drug discovery), 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

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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 proteomics market performed so far and how will it perform in the coming years?
What is the breakup of the South Korea proteomics market on the basis of analysis type?
What is the breakup of the South Korea proteomics market on the basis of component type?
What is the breakup of the South Korea proteomics market on the basis of technology?
What is the breakup of the South Korea proteomics market on the basis of application?
What is the breakup of the South Korea proteomics market on the basis of end user?
What is the breakup of the South Korea proteomics market on the basis of region?
What are the various stages in the value chain of the South Korea proteomics market?
What are the key driving factors and challenges in the South Korea proteomics market?
What is the structure of the South Korea proteomics market and who are the key players?
What is the degree of competition in the South Korea proteomics market?

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