

Asia-Pacific Proteomics Market: Focus on Offerings, Application, and Country - Analysis and Forecast, 2024-2034

<https://marketpublishers.com/r/A50FF9E48FFBEN.html>

Date: June 2025

Pages: 81

Price: US\$ 3,250.00 (Single User License)

ID: A50FF9E48FFBEN

Abstracts

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Introduction to Asia-Pacific Proteomics Market

The Asia-Pacific proteomics market is projected to reach \$25.78 billion by 2034 from \$6.95 billion in 2024, growing at a CAGR of 14.01% during the forecast period 2024-2034. The Asia-Pacific (APAC) proteomics industry is expanding rapidly due to developments in next-generation sequencing technologies that provide high-precision protein analysis and mass spectrometry. The growing emphasis on individualised healthcare, together with increased attempts to find new biomarkers and improve disease profiling tools, is another factor contributing to this trend.

New proteomic applications are being developed more quickly thanks to expanding public-private partnerships and cooperation between hospitals, biotech companies, and academic institutions, while governments around APAC are promoting research and innovation through national financing programs. Furthermore, there is an urgent need for better diagnostic instruments and early detection techniques due to the region's growing senior population and the increase in the prevalence of chronic illnesses.

Proteomics is emerging as a key pillar in promoting precision medicine and healthcare innovation across the region as APAC keeps investing in life sciences and fortifying its clinical research infrastructure.

Market Introduction

Proteomics is a fast developing, high-potential market in the life sciences and biotechnology sector in Asia-Pacific (APAC). Proteomic solutions are increasingly being used in research, diagnostics, and drug development applications throughout the region, driven by developments in analytical technologies including mass spectrometry, next-generation sequencing (NGS), and bioinformatics. The need for more in-depth protein-level insights in clinical and translational research is being fuelled by rising healthcare expenditures, the incidence of chronic diseases, and the trend towards personalised therapy.

Governments in China, India, Japan, South Korea, and Singapore promote proteomics through national R&D initiatives, infrastructure development, and financial programs. Innovation in proteomics techniques and platforms is also being accelerated by public-private partnerships among biotech companies, academic institutions, and healthcare providers. Furthermore, accuracy, speed, and scalability are being improved by the increasing integration of AI and machine learning in protein data processing.

Notwithstanding these developments, issues including exorbitant technological costs, a shortage of qualified personnel, and restricted access to cutting-edge research facilities in underdeveloped countries continue to exist. But as interest in and funding for precision healthcare continue to rise, the APAC proteomics market is expected to grow steadily and play a significant part in changing diagnostic and treatment approaches throughout the area.

Market Segmentation:

Segmentation 1: by Offering

Product

Service

Segmentation 2: by Application

Drug Discovery

Clinical Diagnostics

Others

Segmentation 3: by Region

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest-of-Asia-Pacific

APAC Proteomics Market Trends, Drivers and Challenges

Trends

Increasing adoption of high-throughput technologies like mass spectrometry and next-generation sequencing

Rising focus on personalized medicine and precision healthcare

Expansion of proteomic applications in disease diagnostics, drug development, and biomarker discovery

Growth in academic-industry collaborations and public-private research partnerships

Integration of AI and bioinformatics in proteomic data analysis

Drivers

- Government support through national R&D programs and healthcare modernization initiatives
- Growing investment by biotech and pharmaceutical companies in proteomic research
- Rising prevalence of chronic diseases and aging population driving demand for early detection
- Increased healthcare spending and improved infrastructure across emerging APAC economies
- Surge in clinical trials and translational research efforts in the region

Challenges

- High cost of proteomics instruments and data analysis platforms
- Limited access to advanced technologies in low- and middle-income countries
- Shortage of skilled professionals and bioinformatics expertise
- Complex data interpretation and standardization issues
- Regulatory and ethical concerns around patient data use and biomarker validation

How can this report add value to an organization?

Product/Innovation Strategy: The Asia-Pacific proteomics market has been extensively segmented based on various categories, such as offering, application, and country. This can help readers get a clear overview of which segments account for the largest share and which ones are well-positioned to grow in the coming years.

Competitive Strategy: The Asia-Pacific proteomics market has numerous established

players with product and service portfolios. Key players in the Asia-Pacific proteomics market analyzed and profiled in the study involve established players offering proteomics products and services.

Contents

Executive Summary
Scope and Definition

1 MARKET

1.1 Market Outlook

1.1.1 Comparative Advantages and Disadvantages of Proteomics Over Other Omics

1.1.2 Proteomics Techniques by Introduction with Principles and
Advantages/Limitations

1.2 Key Findings

1.3 Asia-Pacific Proteomics Market Scenario

1.3.1 Realistic Scenario

1.3.2 Optimistic Scenario

1.3.3 Pessimistic Scenario

1.4 Industry Outlook

1.4.1 Supply Chain Overview

1.5 Trends: Current and Future Impact Assessment

1.5.1 Increasing Automation for End-to-End Proteomics Workflow

1.5.2 Significant Number of Collaborations among Market Players

1.5.3 Growing Proteomics Research to Identify Disease Biomarkers

1.6 Patent Analysis

1.6.1 Patent Filing Trend (by Country, Year)

1.7 Regulatory Framework

1.7.1 Japan

1.7.1.1 Regulatory Requirements for Proteomics Products Intended as Medical
Devices

1.7.1.2 Regulatory Requirements for Clinical Proteomics Labs in Japan

1.7.2 China

1.7.2.1 Regulatory Requirements for Proteomics Products Intended as Medical
Devices

1.8 Product Benchmarking

1.9 Market Dynamics Overview

1.9.1 Market Drivers

1.9.1.1 Increasing Prevalence of Chronic Diseases

1.9.1.2 Increasing Technological Advancements

1.9.1.3 Advancements in Personalized Medicine and Drug Discovery

1.9.2 Market Restraints

- 1.9.2.1 Shortage of Skilled Professionals
- 1.9.2.2 Complexity in Analyzing Data of Proteomics Research
- 1.9.3 Market Opportunities
 - 1.9.3.1 Progress in Nanoproteomics Platforms to Enhance and Thoroughly Analyze Natural Protein Complexes

2 PROTEOMICS MARKET (BY REGION), \$MILLION, 2022-2034

2.1 Regional Summary

2.2 Asia-Pacific

2.2.1 Regional Overview

2.2.2 Driving Factors for Market Growth

2.2.3 Factors Challenging the Market

2.2.4 Asia-Pacific Proteomics Market, by Application

2.2.5 Asia-Pacific Proteomics Market, by Offering

2.2.5.1 Asia-Pacific Proteomics Market, by Product

2.2.6 China

2.2.6.1 China Proteomics Market, by Application

2.2.6.2 China Proteomics Market, by Offering

2.2.6.2.1 China Proteomics Market, by Product

2.2.7 India

2.2.7.1 India Proteomics Market, by Application

2.2.7.2 India Proteomics Market, by Offering

2.2.7.2.1 India Proteomics Market, by Product

2.2.8 Australia

2.2.8.1 Australia Proteomics Market, by Application

2.2.8.2 Australia Proteomics Market, by Offering

2.2.8.2.1 Australia Proteomics Market, by Product

2.2.9 Japan

2.2.9.1 Japan Proteomics Market, by Application

2.2.9.2 Japan Proteomics Market, by Offering

2.2.9.2.1 Japan Proteomics Market, by Product

2.2.10 South Korea

2.2.10.1 South Korea Proteomics Market, by Application

2.2.10.2 South Korea Proteomics Market, by Offering

2.2.10.2.1 South Korea Proteomics Market, by Product

2.2.11 Rest-of-Asia-Pacific

2.2.11.1 Rest-of-Asia-Pacific Proteomics Market, by Application

2.2.11.2 Rest-of-Asia-Pacific Proteomics Market, by Offering

2.2.11.2.1 Rest-of-Asia-Pacific Proteomics Market, by Product

3 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES

3.1 Proteomics Market: Competitive Landscape

3.1.1 Corporate Strategies, January 2022-December 2024

3.2 Company Profiles

3.2.1 Takara Bio Inc.

3.2.1.1 Overview

3.2.1.2 Top Products/ Services

3.2.1.3 Top Competitors

3.2.1.4 Target Customers

3.2.1.5 Key Personnel

3.2.1.6 Analyst View

4 RESEARCH METHODOLOGY

4.1 Data Sources

4.1.1 Primary Data Sources

4.1.2 Secondary Data Sources

4.1.3 Data Triangulation

4.2 Market Estimation and Forecast

List Of Figures

LIST OF FIGURES

Figure 1: Asia-Pacific Proteomics Market (by Application), \$Billion, 2022, 2027, and 2034

Figure 2: Asia-Pacific Proteomics Market (by Product), \$Billion, 2022, 2027, and 2034

Figure 3: Key Events to Keep Track of within the Proteomics Market

Figure 4: Asia-Pacific Proteomics Market Size, \$Billion, 2022-2034

Figure 5: Proteomics Literature Published (January 2015 to December 2024)

Figure 6: Asia-Pacific Proteomics Market Size and Growth Potential (Realistic Scenario), \$Billion, 2022-2034

Figure 7: Asia-Pacific Proteomics Market Size and Growth Potential (Optimistic Scenario), \$Billion, 2022 to 2034

Figure 8: Asia-Pacific Proteomics Market Size and Growth Potential (Pessimistic Scenario), \$Billion, 2022 to 2034

Figure 9: Supply Chain and Risks within the Supply Chain

Figure 10: Key Features of End-to-End Proteomics Workflow

Figure 11: Proteomics Market, Patent Analysis (by Country), January 2021-December 2024

Figure 12: Proteomics Market, Patent Analysis (by Year), January 2021-December 2024

Figure 13: Proteomics Market, Product Benchmarking (by Product)

Figure 14: Impact Analysis of Market Navigating Factors, 2024-2034

Figure 15: Timeline on the Personalized Medicine Journey of Protein

Figure 16: Difficulties Faced in Top-Down Proteomics

Figure 17: Future Outlook of Nanoproteomics

Figure 18: Asia-Pacific Proteomics Market, \$Billion, 2022-2034

Figure 19: Proteomics Literature Published in China (January 2015 to December 2024)

Figure 20: China Proteomics Market, \$Billion, 2022-2034

Figure 21: Proteomics Literature Published in India (January 2015 to December 2024)

Figure 22: India Proteomics Market, \$Billion, 2022-2034

Figure 23: Proteomics Literature Published in Australia (January 2015 to December 2024)

Figure 24: Australia Proteomics Market, \$Billion, 2022-2034

Figure 25: Proteomics Literature Published in Japan (January 2015 to December 2024)

Figure 26: Japan Proteomics Market, \$Billion, 2022-2034

Figure 27: Proteomics Literature Published in South Korea (January 2015 to December 2024)

Figure 28: South Korea Proteomics Market, \$Billion, 2022-2034

Figure 29: Rest-of-Asia-Pacific Proteomics Market, \$Billion, 2022-2034

Figure 30: Corporate Strategies, January 2022-December 2024

Figure 31: Data Triangulation

Figure 32: Top-Down and Bottom-Up Approach

Figure 33: Assumptions and Limitations

List Of Tables

LIST OF TABLES

Table 1: Market Snapshot

Table 2: Opportunities across Regions

Table 3: The Diversified Exposure of Proteomics

Table 4: Comparative Analysis of Proteomics: Advantages and Disadvantages Over Other Omics Approaches

Table 5: Introduction to Proteomics Techniques: Principles, Advantages, and Limitations

Table 6: Comparison of Existing and Emerging Paradigms in Proteomics Technologies

Table 7: Proteomics Market Trend Analysis

Table 8: Some of the Partnerships and Collaborations in the Proteomics Market

Table 9: List of Molecular Targets Identified with Proteomics

Table 10: Cancer Cases Expected Between 2020 and 2040

Table 11: Proteomics Market, Regulatory Approvals, and New Offerings

Table 12: Cancer Biomarkers Discovered by Proteomics and its Applications in Personalized Medicine

Table 13: Proteomics Market (by Region), \$Billion, 2022-2034

Table 14: Asia-Pacific Proteomics Market (by Application), \$Billion, 2022-2034

Table 15: Asia-Pacific Proteomics Market (by Offering), \$Billion, 2022-2034

Table 16: Asia-Pacific Proteomics Market (by Product), \$Billion, 2022-2034

Table 17: China Proteomics Market (by Application), \$Billion, 2022-2034

Table 18: China Proteomics Market (by Offering), \$Billion, 2022-2034

Table 19: China Proteomics Market (by Product), \$Billion, 2022-2034

Table 20: India Proteomics Market (by Application), \$Billion, 2022-2034

Table 21: India Proteomics Market (by Offering), \$Billion, 2022-2034

Table 22: India Proteomics Market (by Product), \$Billion, 2022-2034

Table 23: Australia Proteomics Market (by Application), \$Billion, 2022-2034

Table 24: Australia Proteomics Market (by Offering), \$Billion, 2022-2034

Table 25: Australia Proteomics Market (by Product), \$Billion, 2022-2034

Table 26: Japan Proteomics Market (by Application), \$Billion, 2022-2034

Table 27: Japan Proteomics Market (by Offering), \$Billion, 2022-2034

Table 28: Japan Proteomics Market (by Product), \$Billion, 2022-2034

Table 29: South Korea Proteomics Market (by Application), \$Billion, 2022-2034

Table 30: South Korea Proteomics Market (by Offering), \$Billion, 2022-2034

Table 31: South Korea Proteomics Market (by Product), \$Billion, 2022-2034

Table 32: Rest-of-Asia-Pacific Proteomics Market (by Application), \$Billion, 2022-2034

Table 33: Rest-of-Asia-Pacific Proteomics Market (by Offering), \$Billion, 2022-2034

Table 34: Rest-of-Asia-Pacific Proteomics Market (by Product), \$Billion, 2022-2034

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