

Global Recombinant Proteins Market Size study, by Product (Growth Factors and Chemokines, Immune Response Proteins, Structural Proteins, Membrane Proteins, Kinase Proteins, Regulatory Proteins, Recombinant Metabolic Enzymes, Adhesion Molecules and Receptors, Other Recombinant Proteins), by Application (Drug Discovery & Development, Biopharmaceutical Production, Research, Diagnostics, Other Applications), by Host Cell (Mammalian Systems, Insect Cells, Yeast & Fungi, Bacterial Cells, Other Host Cells), by End User (Pharmaceutical & Biopharmaceutical Companies, Biotechnology Companies, Academic Research Institutes, Contract Research Organizations, Other End Users), and Regional Forecasts 2022-2032

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Abstracts

The Global Recombinant Proteins Market is valued at approximately USD 2.20 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 12.00% over the forecast period 2024-2032. Recombinant proteins, created through genetic engineering by inserting a gene encoding the desired protein into a host cell, have become indispensable tools in modern biotechnology. Their applications span therapeutic treatments, diagnostics, vaccine production, and research, driving significant advancements in personalized medicine, industrial biotechnology, and disease

treatment. The increased demand for biopharmaceuticals, driven by the rising prevalence of chronic diseases, is a primary factor propelling the market's growth. As diseases like cancer, autoimmune disorders, and infectious diseases become more prevalent, the need for effective, targeted therapies increases, leading to higher investment in recombinant protein production.

Moreover, the market is benefiting from advancements in biotechnology, particularly in gene expression systems and protein purification techniques, which enhance the efficiency and cost-effectiveness of recombinant protein production. These technological innovations are accelerating the development of new therapies and diagnostics, further fueling market growth. The expanding research and development activities across academic and industrial settings also contribute to the market's robust growth. Recombinant proteins play a critical role in drug discovery, molecular biology, and genetic engineering, and the increased funding for research is expected to bolster the market further.

North America dominated the recombinant proteins market in 2023, accounting for over 33.85% of the global share. This dominance is attributed to the region's significant research spending, well-established healthcare infrastructure, and the presence of major industry players. The high prevalence of chronic diseases in North America is also driving demand for recombinant protein therapies. Meanwhile, the Asia Pacific region is poised to experience the fastest growth during the forecast period, supported by increased public and private funding for recombinant protein research, favorable government regulations, and advancements in proteomic and genomic research.

Major market players included in this report are:

Thermo Fisher Scientific

Abcam plc.

Sino Biological, Inc.

Merck KGaA

GenScript

Bio-Rad Laboratories, Inc.

Proteintech Group, Inc.

Enzo Life Sciences, Inc.

R&D Systems, Inc.

RayBiotech Life Inc.

The detailed segments and sub-segment of the market are explained below:

By Product:

- Growth Factors and Chemokines
- Immune Response Proteins
- Structural Proteins
- Membrane Proteins

- Kinase Proteins
- Regulatory Proteins
- Recombinant Metabolic Enzymes
- Adhesion Molecules and Receptors
- Other Recombinant Proteins

By Application:

- Drug Discovery & Development
- Biopharmaceutical Production
- Research
- Diagnostics
- Other Applications

By Host Cell:

- Mammalian Systems
- Insect Cells
- Yeast & Fungi
- Bacterial Cells
- Other Host Cells

By End User:

- Pharmaceutical & Biopharmaceutical Companies
- Biotechnology Companies
- Academic Research Institutes
- Contract Research Organizations
- Other End Users

By Region:

- North America
- U.S.
- Canada
- Europe
- UK
- Germany
- France
- Spain
- Italy
- ROE
- Asia Pacific
- China
- India
- Japan
- Australia

- South Korea
- RoAPAC
- Latin America
- Brazil
- Mexico
- RoLA
- Middle East & Africa
- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.
- Detailed analysis of geographical landscape with Country level analysis of major regions.
- Competitive landscape with information on major players in the market.
- Analysis of key business strategies and recommendations on future market approach.
- Analysis of competitive structure of the market.
- Demand side and supply side analysis of the market

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