

# Recombinant Protein Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/R28882B4B58CEN.html>

Date: March 2023

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: R28882B4B58CEN

## Abstracts

The global recombinant protein market size reached US\$ 170.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 279.7 Billion by 2028, exhibiting a growth rate (CAGR) of 11.4% during 2023-2028.

A recombinant protein refers to a modified or altered protein that is encoded by recombinant DNA. The recombinant DNA molecule consists of a plasmid in which the genes for a target protein are cloned. It is produced either by molecular cloning or polymerase chain reaction (PCR). Some of the common product variants include kinase proteins, human insulin, structural proteins, adhesion molecules and receptors, immune response proteins, etc. Recombinant protein is primarily utilized in the development of novel therapies for chronic and rare diseases. It finds widespread adoption in numerous biopharmaceutical companies, academic and research institutes, contract research organizations, etc.

### Recombinant Protein Market Trends:

The elevating prevalence of several chronic diseases along with the increasing demand for novel treatment options is primarily driving the global recombinant protein market. In addition to this, the rising investments in the field of protein engineering and the improving focus on protein-based drug development are further augmenting the market growth. Moreover, numerous government bodies are funding R&D activities for the introduction of advanced techniques in proteomics and genomics, which are significantly impacting the global market for recombinant protein. Besides this, the advent of recombinant protein expression technology has led to the development of high-quality autoantigens that are widely used in immunotherapy procedures. Additionally, the growing requirement for recombinant proteins for accurate

measurement of biomarkers in the field of drug discovery is also creating a positive outlook for the global market. Apart from this, the rising penetration of latest molecular biology approaches for biopharming to reduce proteolysis of recombinant proteins or prevent the partial or total loss of glycosylation is expected to bolster the global recombinant protein market over the forecast period.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global recombinant protein market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, application and end user.

#### Breakup by Product:

- Antibodies
- Hormones
- Growth Factors
- Cytokines
- Others

#### Breakup by Application:

- Drug Discovery and Development
- Academic Research
- Biotechnology Research
- Biopharmaceutical Production
- Others

#### Breakup by End User:

- Pharmaceutical and Biopharmaceutical Companies
- Biotechnology Companies
- Academic and Research Institutes
- Contract Research Organization
- Others

#### Breakup by Region:

- North America

United States  
Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Abcam plc, Amgen Inc., Bio-RAD Laboratories Inc., Bio-Techne Corporation, Bps Bioscience Inc., Enzo Biochem Inc., Genscript Biotech Corporation, Merck KGaA, Novo Nordisk A/S, ProSpec-Tany TechnoGene Ltd, Sanofi S.A. and Thermo Fisher Scientific.

#### Key Questions Answered in This Report:

How has the global recombinant protein market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global recombinant protein market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global recombinant protein market and who are the key players?

What is the degree of competition in the industry?

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