

# **Protein Expression Market by Products (Expression Vector, Service, Reagent), Application (Industrial, Therapeutic), Expression Systems (Mammalian, Prokaryotic, Baculovirus, Yeast) & by End User (Pharmaceutical, Biotechnology, CRO) - Global Forecast to 2018**

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## **Abstracts**

Protein expression denotes the presence and the abundance of one or more proteins in a cell or tissue. It forms an integral part of proteomic research as many commercially important proteins are produced downstream of protein expression. The protein expression market is expected to be driven by a number of factors. In the pharmaceutical sector, decline in the productivity of R&D and the sales drop expected by the upcoming patent cliff has resulted in intense research activities. Furthermore, the rise of the biologics market will increase research related to it, while the growth of the proteomics market will boost the protein expression market to a large extent.

The intensity of research has increased in the pharmaceutical sector to compensate the lack of noteworthy results from R&D. Even though the budgets from R&D have increased over the years, the number of innovative technologies has not grown in tandem. In addition, biologics market is on the rise which will provide impetus to the research activities related to it. The growth of the proteomics industry will fuel the demand for pure proteins that are needed for research and for use in biotechnology and pharmaceutical companies. This demand will boost the protein expression market on a large scale.

The report segments the protein expression market by expression systems, products, applications, and end users. Insect cell, mammalian cell, prokaryotic, yeast, and others

are the expression system segments of the protein expression market included in this report. The product segment includes competent host cells, expression vectors, instruments, reagents, and services. The applications segment of the protein expression market comprised of industrial proteins, research applications, and therapeutic proteins. The end-user segment includes academic research, contract research organizations, pharmaceutical and biotechnological companies, and others. The report maps the expression system, product, application, and end user profiles in each of the 19 regional and geographic segments. It provides a granular understanding of the current market size and provides a market forecast to 2018.

A combination of bottom-up and top-down approach was used to calculate the market size and growth rates of the protein expression market and its sub-segments. Secondary information was used to identify overall revenues, geographic reach, and product portfolios of market players. Estimates of their protein expression segment revenues were validated through primary interviews. Primary interviews with key opinion leaders were also used to determine the percentage shares of each sub-segment and the relative differences in the growth rates.

The report provides qualitative insights about key market shares, growth rates, and market drivers for all important sub-segments. It maps the market size and growth rates of each sub-segment and identifies the segments poised for rapid growth in each of the 19 geographic and regional segments. The report also includes the company profiles of market leaders. The profiles include financial performance, product portfolios, and market strategies of each company. In addition, the report offers a competitive landscape of these market leaders and identifies the key growth strategies in this market.

### **Reasons to Buy the Report:**

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help the firms in garnering a greater market share. Firms purchasing the report could use any one or a combination of the below mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for strengthening their market shares.

### **The report provides insights on the following pointers:**

Market Penetration: Comprehensive information on product portfolios of top

players in the protein expression market. The report analyzes the global protein expression market expression systems, products, end users, and applications across geographies

**Product Development/Innovation:** Detailed insights on upcoming technologies, research and development activities, and new product launches in the protein expression market

**Competitive Assessment:** In-depth assessment of market shares, strategies, geographic and business segments, and product portfolios of leading players in the protein expression market

**Market Development:** Comprehensive information about the lucrative emerging markets. The report analyzes the market for various protein expression products across geographies

**Market Diversification:** Extensive information about new products and services, untapped geographies, recent developments, and investments in the protein expression market

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