Global Protein Engineering Market Insights, Opportunity Analysis, Market Shares and Forecast, 2017 - 2023

Description:
The global protein engineering market is accounted for USD 610.3 million in 2016 to about USD 1463 million in 2022 at a CAGR of 15.7%. The major factors which are driving the market growth of protein engineering over the globe are increasing prevalence of chronic diseases and increasing preference among patients for protein based drugs over non-protein drugs. Increase in advancement of technology and increasing lifestyle diseases and rising government support for pharmaceutical infrastructure improvement and funds for R&D in this sector along with reduction in costs of drugs are also contributing for market growth of protein engineering over the globe.

Owing to increasing number of engineered protein and amino acids globally is offering a valuable opportunity for growing the demand of protein engineering globally. Although there are certain factors which are proving as a restraint for the market of protein engineering such as lack of trained professional and high price and maintenance cost of engineering instrument and tools are proving to be a major factors for limiting the growth of the market. Along with this high funds requirement for Research and development, limitations in technology and less awareness among people are some of the factors which are hampering the market growth of protein engineering.

Globally the market of protein engineering is categorized on the basis of product, on the basis of technology, based upon the protein type and based upon the end user. Based upon the product the protein engineering market is sub categorized in to reagents, instrument, services and software. Based upon the technology the protein engineering market is sub categorized into rational protein design and irrational protein design. Rational protein design is the highly adopted technology among the two. Based upon the product type the protein engineering market is sub categorized in to insulin, monoclonal, erythropoietin, colony stimulating factor, interferon, Growth hormones, coagulation factor, vaccines, and other types of protein. Monoclonal antibodies are the fastest product type in this market due to its rising adoption for therapies for cancer and other autoimmune diseases. Based on end user it is sub categorized by pharmaceutical and biotechnology companies, academic research institutes, contract research organizations. Pharmaceutical and biotechnology sector is the fastest growing sector and largest consumer for protein engineering market.

On the basis of the geography the protein engineering market is mainly segmented into North America, Latin America, Europe, APAC and the rest of the world. North America has foreseen as a dominant region owing to the rising research activities and increasing government initiatives. Europe is the second largest market of protein engineering due to the technological advancement and increasing demand of protein drugs.

The protein engineering market is dominated by some of the major key players such as are Agilent Technologies, Inc., Bio-Rad Laboratories, Inc., General Electric Company, Thermo Fisher Scientific, Inc., GlaxoSmithKline Inc, Sigma-Aldrich Corporation, GE healthcare, Bruker Corporation, Genscripts, Inc., PerkinElmer, Inc. these are the key player who dominate the world market with 50% share of global protein engineering market.

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