

2024 Protein Synthesis Research Review

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Abstracts

Research Review Scope

Protein synthesis is vital for all living organisms, enabling cells to produce the proteins they need to survive and function. It is a basic biological process that builds proteins in cells, which is essential for every cellular function. The key components of protein synthesis are Deoxyribonucleic acid (DNA), Ribonucleic acid (RNA), ribosomes, and amino acids.

The growing demand for protein therapeutics due to the increase in the prevalence of chronic diseases is a major factor driving this market. Advances in cell-free systems and improved expression vectors, which enhance efficiency and productivity, also help to boost the protein synthesis market. The developments towards cell-free systems, high-throughput technologies, and a focus on personalized medicine also act as key factors for the growth of the protein synthesis market. The high production costs and complex techniques affect the growth of the market.

The market includes major players such as Amgen Inc., Pfizer Inc., Genentech, USA Inc., and Eli Lilly, which mainly focus on protein therapeutics. The companies focusing on protein synthesis research and development include GenScript ProBio, Aldevron, Creative Biogene, and Tierra Biosciences Inc.

Research Reviews from BCC Research provide market professionals with concise market coverage within a specific research category. This 2024 Research Review of protein-synthesis provides a sampling of the type of quantitative market information, analysis, and guidance that BCC Research has been developing since its inception in 1971 to help its customers make informed business decisions. This Research Review includes highlights and excerpts from the following reports published by BCC Research in 2024:

BIO007N Commercial Amino Acids.

BIO254A Global Recombinant Proteins Market.

BIO220B Oligonucleotides: Global Markets.

BIO253A PEGylated Proteins Market.

BIO252A Peptide Synthesis: Global Markets.

After you survey the excerpts in this Research Review, we encourage you to follow up on these topics by checking out the full market research reports associated with each topic. BCC Research looks forward to serving your market intelligence needs in the future.

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