

RNA Based Therapeutic Market growing at a CAGR of 17.6% from 2025 to 2030.

PORTLAND, IN, UNITED STATES, January 28, 2025 /EINPresswire.com/ -- The RNA based therapeutics has been explored as a promising treatment option for the diseases which are difficult to treat. Development of this therapeutics is based on promising technologies such as RNA interference technology (RNAi), antisense technology. Moreover, Cancer diagnosis and treatment is currently undergoing a shift with the incorporation of RNAi techniques in personalized medicine and molecular diagnostics, also for the diagnostic purposes, small interfering RNAs (siRNA) or microRNAs (miRNA) can be utilized.



According to the report, the global [RNA based therapeutics industry](#) is expected to reach \$25,121.95 million by 2030, having witnessed a value of \$4,938.38 million in 2021, with a considerable CAGR of 17.6% from 2021 to 2030.

The global RNA therapeutics market is driven by the increasing number of government initiatives for large-scale sequencing projects, target specificity, and selectivity of treatment. However, the barriers to drug delivery, high research costs, and the risk of failure limit the market growth. On the other hand, capitalization of the pipeline therapeutics to the market will provide lucrative opportunities for market growth in the coming years.

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RNA based therapeutics is segmented into by type, by application, and by end user. Based on type, the market is segmented into RNA interference (RNAi) technologies and RNA antisense technologies. Based on application, the RNA based therapeutics market is segmented into genetic disorders and auto immune disorders. Based on end user, the market is segmented into research institutes, and hospitals & clinics. By region, it is analyzed across North America,

Europe, Asia-Pacific, and LAMEA.

The RNA antisense segment to retain its lion's share throughout the forecast period-

Based on type, the RNA antisense segment accounted for the largest share in 2020, contributing to nearly two-thirds of the global RNA based therapeutics market revenue, and is expected to retain its lion's share throughout the forecast period. Due to the rise in revenue generated from the development and commercialization of RNA antisense drugs and therapeutics. However, the RNA interference (RNAi) segment would display the fastest CAGR of 18.8% from 2021 to 2030.

The genetic disorder segment to rule the roost by 2030-

Based on application, the genetic disorder segment held the major market share in 2020, accounting for more than three-fifths of the global RNA based therapeutics market revenue, and is projected to rule the roost by 2030. The same segment would showcase the highest CAGR of 18.2% from 2021 to 2030. Due to an increase in the incidence of rare diseases, genetic disorders, and molecular diagnosis. The autoimmune disorder segment is also studied in the report.

Recent Developments in the RNA Based Therapeutics Market-

In June 2022, Alnylam Pharmaceuticals, Inc., one of the leading RNAi therapeutics company, announced that the U.S. Food and Drug Administration (FDA) approved AMVUTTRA (vutrisiran), an RNAi therapeutic administered via subcutaneous injection once every three months (quarterly) for the treatment of the polyneuropathy of hereditary transthyretin-mediated (hATTR) amyloidosis in adults.

In December 2021, Arbutus Biopharma Corporation, a clinical-stage biopharmaceutical company, and Qilu Pharmaceutical, one of the leading pharmaceutical companies in China, announced that the companies have entered into an exclusive licensing agreement and strategic partnership for the development and commercialization of AB-729 for the treatment of hepatitis B. AB-729 is Arbutus's lead RNA interference (RNAi) therapeutic that is currently in multiple Phase 2a proof-of-concept clinical trials designed to evaluate it in combination with other approved or investigational agents.

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North America region to dominate its position during the forecast period-

Based on region, North America held the major market share in 2020, holding more than two-fifths the global RNA based therapeutics market revenue, and is expected to continue its dominant position during the forecast period. Due to the prevalence of genetic disorders, the high cost of research and development, the presence of prominent players and their products,

and the established healthcare system in the region. However, the Asia-Pacific region would portray the fastest CAGR of 18.9% from 2021 to 2030. Due to the enhancement of research and development facilities, the availability of disposable income, and the rapidly evolving economic conditions.

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Industry-Leading Players: -

Gradalis, Inc.

Arrowhead Pharmaceuticals

Arbutus Biopharma Corporation

Benitec Biopharma Inc.

Silence Therapeutics plc

Alnylam Pharmaceuticals, Inc.

Genzyme (Sanofi)

Ionis Pharmaceuticals

Sarepta Therapeutics

Biogen, Inc.

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