

DNA Modifying Enzymes Market Report 2025: Size, Trends, and Growth Insights for Global Expansion

The Business Research Company's Night Blindness Treatment Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, February 14, 2025

[/Einpresswire.com/](https://www.einpresswire.com/) -- The [DNA](#)

[Modifying Enzymes Global Market](#) is

poised for significant growth, with projections anticipating a rise from \$4.34 billion in 2024 to \$5.08 billion in 2025. This presents a compound annual growth rate CAGR of 16.9%. The robust growth during the historic period can be attributed to the increasing funding for biotechnology, rising demand in molecular biology, bio-fuels, bio-detergents, and paper manufacturing



Updated 2025 Market Reports Released: Trends, Forecasts to 2034 – Early Purchase Your Competitive Edge Today!"

The Business Research Company

processes, along with a rising frequency of genetic illnesses. In addition, the increasing demand for ligases in applications and DNA modifying enzymes is a contributory factor.

What does the next decade hold for the DNA Modifying Enzymes Global Market?

The market is predicted to witness rapid growth in the next few years. Forecast to grow to \$9.37 billion in 2029 at a compound annual growth rate CAGR of 16.6%, the growth

during this period is expected to be a result of an increase in the prevalence of infectious diseases, birth rate, and genetic disorders. Additionally, the growing demand for polymerases, high-quality healthcare treatments, rising need for customized medicine, and significant advancements in genetic research, genomics, biotechnology, and other technological innovations are all expected to contribute to market growth.

Get Your Free Sample Market Report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=20545&type=smp>



The Business
Research Company

The Business Research Company

What's driving the growth of the [DNA modifying enzymes market](#) in the years to come?

The rising frequency of genetic illnesses is slated to drive the market growth. Genetic illnesses, also known as genetic disorders, are health problems that stem from abnormalities in an individual's genetic material. Factors like genetic inheritance, increased awareness and diagnosis, and environmental factors contribute to the increasing frequency of these genetic diseases. DNA modifying enzymes such as DNA polymerase and DNA ligase play a crucial role in genetic testing, helping identify the genetic mutations that cause disorders. For instance, by March 2024, over 6,000 genetic conditions have been identified, with new ones being discovered daily. As per the Gene People, a UK-based registered charity for people with genetic disorders, 1 in 25 children in the UK are affected by these genetic conditions, resulting in over 2.4 million individuals living with them.

Who are the major players in this exciting and thriving market?

Some of the key industry players operating in the DNA modifying enzymes market include Merck & Co. Inc., Thermo Fisher Scientific Inc., F. Hoffmann-La Roche AG, Illumina Inc., Revvity Inc., Bio-Rad Laboratories Inc., QIAGEN N.V., Integrated DNA Technologies Inc., Promega Corporation, Aldevron LLC, Takara Bio Inc., New England Biolabs Inc., Diagenode SA, among others.

Order Your Report Now For A Swift Delivery:

<https://www.thebusinessresearchcompany.com/report/dna-modifying-enzymes-global-market-report>

Any groundbreaking innovations in the DNA modifying enzymes market from key industry players?

Many companies are focusing on developing advanced solutions, such as a two-step enzymatic conversion workflow, to stand out in the competition. This workflow permits specific detection of 5-hydroxymethylcytosine 5 hmC at single-base resolution, thereby reducing DNA damage. For instance, in February 2024, New England Biolabs, a U.S.-based life sciences company, launched the NEBNext Enzymatic 5hmC-seq Kit for enzyme-based 5hmC detection at single-base resolution. The introduction of this kit signifies a significant step forward in epigenetic research, particularly in the study of DNA modifications that play essential roles in gene regulation.

How is the DNA Modifying Enzymes Global Market segmented?

The report segments the market as follows:

1 By Type: Restriction Enzymes, Polymerases, Ligases, Nucleases, Methylases, Other Enzyme Types

2 By Applications: Genomics And Gene Editing, Molecular Biology Research, Diagnostics And Forensics, Biotechnology And Synthetic Biology, Diagnostics, Drug Discovery And Development

3 By End-User: Academics And Research Institutes, Pharmaceutical And Biotechnology Companies, Diagnostic Laboratories, Forensic Laboratories, Hospitals And Clinics, Contract Research Organizations

Furthermore, the report breaks down these segments, offering valuable insights into Restriction Enzymes, Polymerases, Ligases, Nucleases, Methylases among other types of enzymes.

How is the DNA modifying enzymes market spread out geographically?

Among the different regions, North America held the largest market share in 2024. However, the DNA modifying enzymes market spans across several other regions as well, including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

Browse Through More Similar Reports By The Business Research Company:

Viral Vectors And Plasmid DNA Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/viral-vectors-and-plasmid-dna-global-market-report>

DNA Based Skin Care Products Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/dna-based-skin-care-products-global-market-report>

DNA And Gene Chip Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/dna-and-gene-chip-global-market-report>

[About the Business Research Company](#)

With over 15,000+ reports spanning 27 industries and covering 60+ geographies, The Business Research Company has established a reputation for providing comprehensive, data-rich research and insights. Armed with 1,500,000 datasets, in-depth secondary research, and exclusive insights from industry leaders, you can get the information you need to stay ahead of the curve.

Contact us at:

The Business Research Company.

Americas: +1 3156230293

Asia: +44 2071930708

Europe: +44 2071930708

Email us at info@tbrc.info

Follow us on:

LinkedIn: <https://in.linkedin.com/company/the-business-research-company>

YouTube: https://www.youtube.com/channel/UC24_fI0rV8cR5DxICpgmyFQ

Global Market Model: <https://www.thebusinessresearchcompany.com/global-market-model>

Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

Visit us on social media:

[Facebook](#)

X

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/785699851>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.