

Global Gene Switch Market Set For 14.2% Growth, Reaching \$1.39 Billion By 2028

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The groundbreaking field of gene switching continues to expand, propelling its global market to potentially reach \$1.39 billion by 2028 with a compound annual growth rate of 14.2%. Gene



The gene switch market size is expected to see rapid growth in the next few years. It will grow to \$1.39 billion in 2028 at a compound annual growth rate (CAGR) of 14.2%”

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switches are powerful tools enabling precise control of gene expression, facilitating the development of targeted treatments for genetic disorders, amplifying the potential for personalized medicine, and promising innovations in regenerative medicine and functional genomics.

[What is Fueling the Growth of the Gene Switch Market?](#)

The gene switch market, growing continuously from a valuation of \$0.72 billion in 2023 to a projected \$0.82 billion in 2024, owes its momentum to various factors. The expansion of gene-based clinical trials, increased public

awareness of genetic technologies, advancements in regenerative medicine, and escalating demand for genetic testing services are key factors contributing to the market surge.

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Towards a More Personalized Future

As the market continues its upward trajectory, the forecast period sees an increase in demand for personalized medicine and targeted cancer therapies, a rise in the prevalence of genetic disorders, and growing global health initiatives. Furthermore, ongoing technological advancements lead to innovations such as CRISPR-based gene switches and the integration of artificial intelligence AI in gene switching technologies, enhancing the potential of the market.

Full report available at: <https://www.thebusinessresearchcompany.com/report/gene-switch-global-market-report>

The increasing incidence of genetic disorders is a primary driver accelerating the gene switch market. Genetic abnormalities, often a result of mutations or inherited genetic changes, cause these disorders. With improved healthcare, diagnostic capabilities, and increased awareness, the incidence of these genetic disorders rises. Gene switches provide a strategic edge in managing these disorders, and in September 2023, the UK-based Cystic Fibrosis Trust reported a rise in registered cystic fibrosis patients, reflecting an increase of 240 patients and reinforcing the demand for gene switches.

Who are the Key Players in the Gene Switch Market?

Several major companies are steering the progress of the gene switch market, with names like Bristol-Myers Squibb Company, Novartis AG, Charles River Laboratories International Inc., bluebird bio Inc., and Regeneron Inc. leading the way. Others, including Kite Pharma Inc., Genomatica Inc., Intellia Therapeutics Inc., Voyager Therapeutics Inc., and Precigen Inc., are also contributing to the industry's advancement.

[How is the Gene Switch Market Segmented?](#)

The gene switch market report provides a segmented overview:

- 1 By Type: CAR T Cell Therapies, Gene Therapies, Other Therapies
- 2 By Payment Model Employed: Upfront Payments, Milestone Payments
- 3 By Application Area: Management Of Treatment Related Toxicity, Regulation Of Gene Expression, Other Applications

North America stood as the largest region in the gene switch market in 2023, but the report covers regions including Asia-Pacific, Western Europe, Eastern Europe, South America, the Middle East, and Africa.

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