

# **Genome Editing Market Size, Trends, Analysis, and Outlook By Technology ((CRISPR)/Cas9, TALENs/MegaTALs, ZFN, Meganucleases, Others), By Delivery Method (Ex-vivo, In-vivo), By Application (Genetic Engineering, Clinical Applications), By Mode (Contract, In-house), By End-User (Biotechnology and pharmaceutical companies, Academic and government research institutes, Contract research organizations), by Region, Country, Segment, and Companies, 2024-2030**

<https://marketpublishers.com/r/GF867667314DEN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: GF867667314DEN

## **Abstracts**

The global Genome Editing market size is poised to register 16.83% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Genome Editing market across By Technology ((CRISPR)/Cas9, TALENs/MegaTALs, ZFN, Meganucleases, Others), By Delivery Method (Ex-vivo, In-vivo), By Application (Genetic Engineering, Clinical Applications), By Mode (Contract, In-house), By End-User (Biotechnology and pharmaceutical companies, Academic and government research institutes, Contract research organizations).

The genome editing market is witnessing rapid growth fueled by the increasing adoption of CRISPR-Cas9 and other gene editing technologies, rising investments in biotechnology research, and growing applications in agriculture and medicine. In 2024 and beyond, factors such as the expanding pipeline of gene therapy candidates, rising demand for genetically modified organisms (GMOs) in agriculture, and advancements in

genome editing delivery systems are driving market expansion. Additionally, the development of base editing and prime editing techniques, optimization of off-target effects and specificity, and regulatory approvals for genome-edited products contribute to market growth.

## Genome Editing Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Genome Editing market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Genome Editing survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Genome Editing industry.

## Key market trends defining the global Genome Editing demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

## Genome Editing Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Genome Editing industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Genome Editing companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the Genome Editing industry

Leading Genome Editing companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key

strategies opted for by the top 10 Genome Editing companies.

### Genome Editing Market Study- Strategic Analysis Review

The Genome Editing market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

### Genome Editing Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Genome Editing industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

### Genome Editing Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

**North America Genome Editing Market Size Outlook-** Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Genome Editing market segments. Similarly, Strong end-user demand is encouraging Canadian Genome Editing companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Genome Editing market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Genome Editing Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Genome Editing industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Genome Editing market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Genome Editing Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Genome Editing in Asia Pacific. In particular, China, India, and South East Asian Genome Editing markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Genome Editing Market Size Outlook- Continued urbanization and rising

income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Genome Editing Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Genome Editing market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Genome Editing.

Genome Editing Market Company Profiles

The global Genome Editing market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are AstraZeneca, Caribou Biosciences Inc, Ccollectis S.A., Cibus, Recombinetics Inc, CRISPR Therapeutics, Editas Medicine, Egenesis Inc, GenScript, Horizon Discovery Group plc, Integrated DNA Technologies Inc, Intellia Therapeutics Inc, Lonza, Merck KGaA, New England Biolabs, OriGene Technologies Inc, Precision Biosciences, Sangamo, Takara Bio USA, Thermo Fisher Scientific Inc

Recent Genome Editing Market Developments

The global Genome Editing market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Genome Editing Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast

Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Technology

(CRISPR)/Cas9

TALENs/MegaTALs

ZFN

Meganucleases

Others

By Delivery Method

Ex-vivo

In-vivo

By Application

Genetic Engineering

-Cell line engineering

-Animal genetic engineering

-Plant genetic engineering

-Others

Clinical Applications

-Diagnostics

-Therapy Development

By Mode

Contract

In-house

By End-User

Biotechnology and pharmaceutical companies

Academic and government research institutes

Contract research organizations

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

AstraZeneca

Caribou Biosciences Inc

Collectis S.A.

Cibus, Recombinetics Inc

CRISPR Therapeutics

Editas Medicine

Egenesis Inc

GenScript

Horizon Discovery Group plc

Integrated DNA Technologies Inc

Intellia Therapeutics Inc

Lonza

Merck KGaA

New England Biolabs



OriGene Technologies Inc

Precision Biosciences

Sangamo

Takara Bio USA

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 Genome Editing Market Overview and Key Findings, 2024
- 1.2 Genome Editing Market Size and Growth Outlook, 2021- 2030
- 1.3 Genome Editing Market Growth Opportunities to 2030
- 1.4 Key Genome Editing Market Trends and Challenges
  - 1.4.1 Genome Editing Market Drivers and Trends
  - 1.4.2 Genome Editing Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Genome Editing Companies

### 2. GENOME EDITING MARKET SIZE OUTLOOK TO 2030

- 2.1 Genome Editing Market Size Outlook, USD Million, 2021- 2030
- 2.2 Genome Editing Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

### 3. GENOME EDITING MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### 4. GENOME EDITING MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
  - By Technology
    - (CRISPR)/Cas9
    - TALENs/MegaTALs
    - ZFN

Meganucleases

Others

By Delivery Method

Ex-vivo

In-vivo

By Application

Genetic Engineering

-Cell line engineering

-Animal genetic engineering

-Plant genetic engineering

-Others

Clinical Applications

-Diagnostics

-Therapy Development

By Mode

Contract

In-house

By End-User

Biotechnology and pharmaceutical companies

Academic and government research institutes

Contract research organizations

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Genome Editing Market, 2025

5.2 Asia Pacific Genome Editing Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Genome Editing Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Genome Editing Market, 2025

5.5 Europe Genome Editing Market Size Outlook by Type, 2021- 2030

5.6 Europe Genome Editing Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Genome Editing Market, 2025

5.8 North America Genome Editing Market Size Outlook by Type, 2021- 2030

5.9 North America Genome Editing Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Genome Editing Market, 2025

5.11 South America Pacific Genome Editing Market Size Outlook by Type, 2021- 2030

5.12 South America Genome Editing Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Genome Editing Market, 2025

- 5.14 Middle East Africa Genome Editing Market Size Outlook by Type, 2021- 2030
- 5.15 Middle East Africa Genome Editing Market Size Outlook by Application, 2021-2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

- 6.1 US Genome Editing Market Size Outlook and Revenue Growth Forecasts
- 6.2 US Genome Editing Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Genome Editing Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Genome Editing Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Genome Editing Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Genome Editing Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Genome Editing Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Genome Editing Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Genome Editing Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Genome Editing Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Genome Editing Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Genome Editing Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Genome Editing Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Genome Editing Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Genome Editing Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Genome Editing Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Genome Editing Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts

- 6.34 Brazil Genome Editing Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Genome Editing Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Genome Editing Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Genome Editing Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Genome Editing Industry Drivers and Opportunities

## **7. GENOME EDITING MARKET OUTLOOK ACROSS SCENARIOS**

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

## **8. GENOME EDITING COMPANY PROFILES**

- 8.1 Profiles of Leading Genome Editing Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

AstraZeneca

Caribou Biosciences Inc

Collectis S.A.

Cibus, Recombinetics Inc

CRISPR Therapeutics

Editas Medicine

Egenesis Inc

GenScript

Horizon Discovery Group plc

Integrated DNA Technologies Inc

Intellia Therapeutics Inc

Lonza

Merck KGaA

New England Biolabs

OriGene Technologies Inc

Precision Biosciences

Sangamo

Takara Bio USA

Thermo Fisher Scientific Inc

## **9. APPENDIX**

9.1 Scope of the Report

9.2 Research Methodology and Data Sources

9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

## I would like to order

Product name: Genome Editing Market Size, Trends, Analysis, and Outlook By Technology ((CRISPR)/Cas9, TALENs/MegaTALs, ZFN, Meganucleases, Others), By Delivery Method (Ex-vivo, In-vivo), By Application (Genetic Engineering, Clinical Applications), By Mode (Contract, In-house), By End-User (Biotechnology and pharmaceutical companies, Academic and government research institutes, Contract research organizations), by Region, Country, Segment, and Companies, 2024-2030

Product link: <https://marketpublishers.com/r/GF867667314DEN.html>

Price: US\$ 3,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF867667314DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970