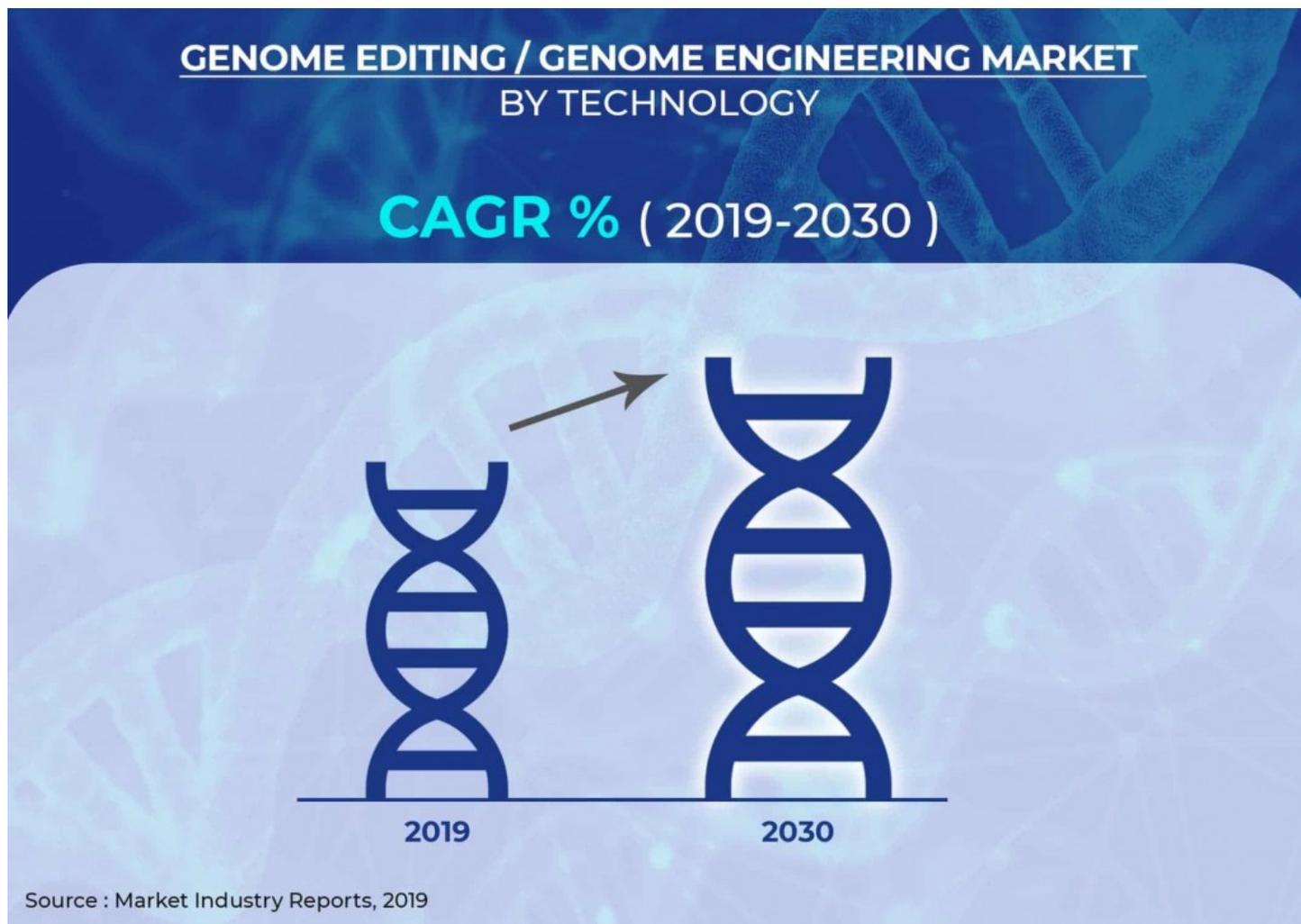


# Genome Editing/Genome Engineering Market Industry Report By 2030: Top players- GenScript



**Pune, Feb 12, 2019 (IssueWire.com)** - Market Industry Reports (MIR) has published a new report titled "[Genome Editing/Genome Engineering Market](#) - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast, 2019–2030." According to the report the global genome editing market was valued at over US\$ 3.0 Bn. in 2017 and is expected to grow at a double digit CAGR during the forecasted period.

The Study On key vendors in this Global Genome Editing/Genome Engineering Market includes are Thermo Fisher Scientific (US), Lonza Group (Switzerland), Merck (Germany), Horizon Discovery Group (UK), Integrated DNA Technologies (US), New England Biolabs (US), GenScript (US), Sangamo BioSciences (US), OriGene Technologies (US), Transposagen Biopharmaceuticals (US), Editas Medicine (US), and CRISPR Therapeutics (Switzerland), among others.

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Almost all cells of any living organisms contain DNA which is a kind of molecule that is passed on from

one generation to the other during the process of reproduction. Genome Editing or Genome Engineering is the process of deliberate alternation of selected DNA in a living cell. The procedure works in such a way that a strand of a DNA is cut at a specific point after which the natural existing cellular repair mechanism fixes the broken DNA strands. The way the new DNA is repaired alters the genetic functions and new DNA sequences can be developed.

### **The increasing application of the technology to propel the market growth**

Application of the technology for cell line genetic editing or engineering in the form of gene therapy and stem cell therapy accounted for the considerable share and is estimated to register lucrative growth. Furthermore, use of the genome editing technology for the development of novel molecules which can be targeted for treating various diseases such as infectious diseases and haematological malignancies is likely to drive the adoption of the technology in the coming years.

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The global genome editing/genome engineering market are segmented by application, technology, end user, and region. The Technology market can be further subcategorized into products such as CRISPR, TALEN and ZFN. The CRISPR technology dominates the largest share in the following segment due to various research projects aiming at producing genetically modified crops, growing acceptance of the technology to name a few.

The application market is segmented into Cell Line Engineering and Genetic Engineering. The Cell Line Engineering occupies the largest share for this segment owing to various factors such as increased interest in stem cell research and increased funding from the government as well as the private sector. The End-User market is segmented into subcategories such as Research Centers, Pharmaceuticals and Biotechnological Companies and CRO's. The Biotechnological and Pharmaceutical applications have the largest share in the segment due to the increase in cancer cases to name a few.

*Browse key industry insights spread across 150 pages with market data tables & figures & charts from the report **Genome Editing/Genome Engineering Market by Technology (CRISPR, TALEN, ZFN), Application (Cell Line Engineering & Genetic Engineering), End-User (Research Centers, Pharmaceutical & Biotechnology Companies, CROs) - Global Analysis & Forecast 2019-2030** in detail along with the table of*

*contents: <https://www.marketindustryreports.com/5/genome-editing-genome-engineering-market>*

The geographic representation of the Genome Editing market is represented by regions such as North America, Europe, Asia-Pacific regions and the Rest of the World (RoW). The North American Market dominates as the largest share in the segment due to various reasons such as growing research on Stem cells and stem research for cancer treatments, highly developed healthcare system and an increased funding system from the government as well as the public sector. However, it should be noted that the Asia-Pacific region may expect a higher CAGR than the rest of the market centred around the regions of India, China and Japan.

### **Safety concerns to remain the major restraining factors**

Toxicity owing to off-target effects of the nucleases is a major safety concern for the market restraining the market growth. In addition, the IP disputes relating to CRISPR technology between the industry players is estimated to restrain growth in the near future.

## Key Point of Table of Contents:

### 6 Global Genome Editing/Genome Engineering Market - Analysis & Forecast, By Technology

- 6.1 Introduction & Definition
- 6.2 TALEN (Transcription activator-like effector nucleases)
- 6.3 CRISPR
- 6.4 ZFN
- 6.5 Other Technologies

### 7 Global Genome Editing/Genome Engineering Market - Analysis & Forecast, By Application

- 7.1 Introduction
- 7.2 Genetic Engineering
- 7.3 Cell Line Engineering
- 7.4 Other Applications

**Continue...**

## The report holds answers to important questions

1. What will the local and international competition for vendors operating in the Genome Editing/Genome Engineering Market look like during the forecast period, 2019 to 2030?
2. What impact will innovative technology and product substitutes have on the use of a service and product?
3. What are the trade barriers in the Genome Editing/Genome Engineering Market?
4. What are the important catalysts that will shape the preference of the customers during the forecast period, 2019 to 2030?
5. What will be the expected ROI (return on investment)? How much profit will the Genome Editing/Genome Engineering Market players make?
6. Which distribution trends and developments will continue to dominate the Genome Editing/Genome Engineering Market in the coming years?

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### **Contact Us-**

502, Sai Radhe, Kennedy Road,

Behind Hotel Sheraton Grand,

Near Pune Station, Pune 411 001, Maharashtra, India

Email: [sales@marketindustryreports.com](mailto:sales@marketindustryreports.com)

Phone: + [91 8956 767 535](tel:918956767535)

Website: <https://www.marketindustryreports.com/>

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### **Media Contact**

Market Industry Report

[sales@marketindustryreports.com](mailto:sales@marketindustryreports.com)

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