

# Global Gene Editing Technology Market Growth (Status and Outlook) 2023-2029

<https://marketpublishers.com/r/G451BF9F2CEDEN.html>

Date: March 2023

Pages: 81

Price: US\$ 3,660.00 (Single User License)

ID: G451BF9F2CEDEN

## Abstracts

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Gene editing is a new and accurate genetic engineering technology that can modify specific target genes in the genome of an organism.

Gene editing technology refers to the ability for humans to 'edit' targeted genes to achieve modifications to specific DNA fragments.

Gene editing relies on genetically engineered nucleases, also known as 'molecular scissors,' to produce site-specific double-strand breaks (DSBs) at specific locations in the genome, inducing organisms to connect via non-homologous end junctions (NHEJ) or homologous Source Recombination (HR) to repair DSB because this repair process is error-prone, resulting in targeted mutations

According to this study, the global Gene Editing Technology market size will reach US\$ million by 2029.

This report presents a comprehensive overview, market shares, and growth opportunities of Gene Editing Technology market by product type, application, key players and key regions and countries.

Segmentation by product type:

Homologous Recombination

Meganuclease

### Segmentation by Application:

Agriculture

Medical

Other

### This report also splits the market by region:

United States

China

Europe

Other regions:

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Thermo Fisher Scientific

SIGMA ALDRICH

Dharmacon

Cellectics

CRISPR Therapeutics

AstraZeneca

Bio Rad

Allele Biotech

Recombinetics

Lonza

GE Healthcare

Editas Medicine

Agilent Technologies

QIAGEN NV

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