

□ Gene Knockdown Market Sales to Top USD 2,470.3 Mn in Revenues by 2033 | Rise in Medical & Bioengineering Application

Gene knockdown market was valued at USD 1,115.1 mn in 2023 and is expected to reach around USD 2,470.3 Million by 2033, growing at a CAGR of approximately 8.5%

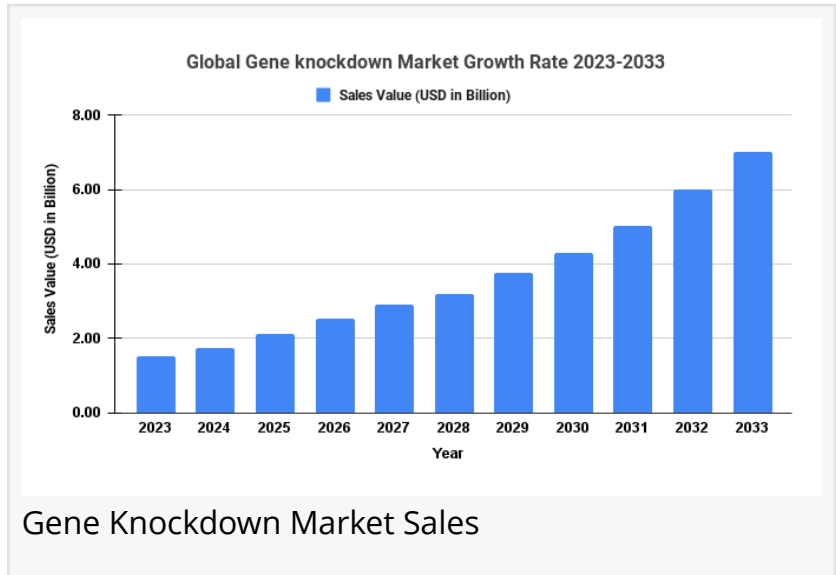
NEW YORK CITY, NEW YORK, UNITED STATES, March 30, 2023
/EINPresswire.com/ -- Market Overview:

Gene knockdown is a technique used to decrease the expression of specific genes in living cells. This technique involves the use of small interfering RNA (siRNA) or short hairpin RNA (shRNA) molecules that bind to specific messenger RNA (mRNA) molecules and prevent them from being translated into proteins. The [global gene knockdown market](#) is expected to grow due to the increasing applications of this technique in drug discovery and development, and the rising prevalence of genetic disorders.

The demand for gene knockdown is expected to increase due to the rising prevalence of genetic disorders, such as cancer, Alzheimer's disease, and Huntington's disease. Additionally, the increasing use of gene knockdown in drug discovery and development is expected to drive market growth.

North America is the largest market for gene knockdown, followed by Europe and Asia-Pacific. The Asia-Pacific region is expected to be the fastest-growing market due to the increasing investments in research and development activities in the biotechnology and pharmaceutical industries.

Want to know about the product offerings and strategic initiatives of the contributing vendors, Download the Sample Now - <https://market.us/report/gene-knockdown-market/request-sample/>



Top Key Trends:

Increasing use of RNA interference (RNAi) technology

Growing focus on personalized medicine

Rising demand for gene therapy

Top Impacting Factors:

Increasing prevalence of genetic disorders

Growing investment in research and development activities in the biotechnology and pharmaceutical industries

Rising adoption of RNAi technology in drug discovery and development

Key Benefits for Stakeholders:

Increased revenue opportunities for manufacturers and suppliers

Growing market demand for gene knockdown

Increased adoption of gene knockdown in drug discovery and development

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Market Dynamics

Drivers:

Increasing prevalence of genetic disorders

Growing investment in research and development activities in the biotechnology and pharmaceutical industries

Rising adoption of RNAi technology in drug discovery and development

Restraints:

High cost of gene knockdown technology

Off-target effects of gene knockdown

Opportunities:

Growing focus on personalized medicine

Increasing adoption of gene therapy

Challenges:

Regulatory challenges related to the use of gene knockdown technology
Lack of awareness about gene knockdown in developing countries

Key Market Segments

Type

siRNA
shRNA
Other

Application

Medical
Bioengineering
Other

Key Market Players included in the report:

Santa Cruz Biotechnology (US)
OriGene (US)
Sigma-Aldrich (US)
Abnova (Taiwan)
Agilent Technologies (US)
Bio-Rad (US)
Cell Signaling Technology (US)
GeneCopoeia (US)
siTOOLS Biotech (Germany)
Novus Biologicals (US)
EMD Millipore (US)
BioVision (US)
Creative Biomart (US)
Selleck Chemicals (US)
MyBioSource (US)
Invitrogen (US)
Qiagen (Germany)

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