

Global Gene Sequencing for Basic Science and Medical Research Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Gene Sequencing for Basic Science and Medical Research market size was valued at US\$ 15870 million in 2024 and is forecast to a readjusted size of USD 42670 million by 2031 with a CAGR of 16.0% during review period.

Gene sequencing for basic science and medical research involves the use of sequencing technologies to analyze the genetic material of organisms in order to understand biological functions, disease mechanisms, and potential therapeutic targets. In basic science, it helps unravel the genetic code that underlies organism development, evolution, and cellular processes. In medical research, gene sequencing is essential for identifying genetic factors involved in diseases, understanding disease pathogenesis, and discovering biomarkers for diagnosis and prognosis. It provides a comprehensive approach to studying human genetics, enabling researchers to uncover the genetic basis of complex conditions such as cancer, neurological disorders, and autoimmune diseases, and to develop more effective treatment strategies.

This report is a detailed and comprehensive analysis for global Gene Sequencing for Basic Science and Medical Research market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Gene Sequencing for Basic Science and Medical Research market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Gene Sequencing for Basic Science and Medical Research market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Gene Sequencing for Basic Science and Medical Research market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Gene Sequencing for Basic Science and Medical Research market shares of main players, in revenue (\$ Million), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Gene Sequencing for Basic Science and Medical Research

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Gene Sequencing for Basic Science and Medical Research market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Illumina, Thermo Fisher Scientific, Eurofins Scientific, BGI, Natera, Berry Genomics, WuXi AppTec, Novogene, LabCorp, MacroGen, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Gene Sequencing for Basic Science and Medical Research market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Second-generation Sequencing

Third- and Fourth-generation Sequencing

First-generation Sequencing

Market segment by Application

Basic Science and

Medical Research

Market segment by players, this report covers

Illumina

Thermo Fisher Scientific

Eurofins Scientific

BGI

Natera

Berry Genomics

WuXi AppTec

Novogene

LabCorp

MacroGen

Pacific Biosciences

Azenta Life Sciences

MGI

Roche

Market segment by regions, regional analysis covers
North America (United States, Canada and Mexico)
Europe (Germany, France, UK, Russia, Italy and Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)
South America (Brazil, Rest of South America)
Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Gene Sequencing for Basic Science and Medical Research product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Gene Sequencing for Basic Science and Medical Research, with revenue, gross margin, and global market share of Gene Sequencing for Basic Science and Medical Research from 2020 to 2025.

Chapter 3, the Gene Sequencing for Basic Science and Medical Research competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Gene Sequencing for Basic Science and Medical Research market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Gene Sequencing for Basic Science and Medical Research.

Chapter 13, to describe Gene Sequencing for Basic Science and Medical Research research findings and conclusion.

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