

Recombinant Cytokines Drug Market - Global Outlook and Forecast 2022-2028

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Abstracts

Cytokines are a broad and loose category of small proteins (~5–20 kDa) that are important in cell signaling. Cytokines are peptides, and cannot cross the lipid bilayer of cells to enter the cytoplasm. Cytokines have been shown to be involved in autocrine signaling, paracrine signaling and endocrine signaling as immunomodulating agents. Their definite distinction from hormones is still part of ongoing research. Cytokines include chemokines, interferons, interleukins, lymphokines, and tumour necrosis factors, but generally not hormones or growth factors (despite some overlap in the terminology). Cytokines are produced by a broad range of cells, including immune cells like macrophages, B lymphocytes, T lymphocytes and mast cells, as well as endothelial cells, fibroblasts, and various stromal cells; a given cytokine may be produced by more than one type of cell.

Some cytokines have been developed into protein therapeutics using recombinant DNA technology. Recombinant cytokines being used as drugs as of 2014 include:

Bone morphogenetic protein (BMP), used to treat bone-related conditions

Erythropoietin (EPO), used to treat anemia

Granulocyte colony-stimulating factor (G-CSF), used to treat neutropenia in cancer patients

Granulocyte macrophage colony-stimulating factor (GM-CSF), used to treat neutropenia and fungal infections in cancer patients

Interferon alfa, used to treat hepatitis C and multiple sclerosis

Interferon beta, used to treat multiple sclerosis

Interleukin 2 (IL-2), used to treat cancer.

Interleukin 11 (IL-11), used to treat thrombocytopenia in cancer patients.

Interferon gamma is used to treat chronic granulomatous disease and osteopetrosis

This report contains market size and forecasts of Recombinant Cytokines Drug in global, including the following market information:

Global Recombinant Cytokines Drug Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Recombinant Cytokines Drug Market Sales, 2017-2022, 2023-2028, (KG)

Global top five Recombinant Cytokines Drug companies in 2021 (%)

The global Recombinant Cytokines Drug market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Interferon Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Recombinant Cytokines Drug include Roche, Merck, Bayer, Biogen Idec, Gensci, Huaxin, Triprime, Sinovac and Zhaoke, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Recombinant Cytokines Drug manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Recombinant Cytokines Drug Market, by Type, 2017-2022, 2023-2028 (\$

Millions) & (KG)

Global Recombinant Cytokines Drug Market Segment Percentages, by Type, 2021 (%)

Interferon

Recombinant Human Granulocyte Colony-Stimulating

Erythropoietin (EPO)

Recombinant Human Thrombopoietin

Others

Global Recombinant Cytokines Drug Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (KG)

Global Recombinant Cytokines Drug Market Segment Percentages, by Application, 2021 (%)

Hepatitis B

Hepatitis C

Multiple Sclerosis

Tumor Therapy

Wound Healing

Others

Global Recombinant Cytokines Drug Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (KG)

Global Recombinant Cytokines Drug Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Recombinant Cytokines Drug revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Recombinant Cytokines Drug revenues share in global market, 2021 (%)

Key companies Recombinant Cytokines Drug sales in global market, 2017-2022 (Estimated), (KG)

Key companies Recombinant Cytokines Drug sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Roche

Merck

Bayer

Biogen Idec

Gensci

Huaxin

Triprime

Sinovac

Zhaoke

Kawin

Abcam plc

R&D Systems

Thermo Fisher Scientific

BioLegend

Invitrogen

OriGene

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Amgen

Johnson & Johnson

Kyowa Hakko Kirin

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