

Global Topical Recombinant Human Thrombin Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Topical Recombinant Human Thrombin market size is expected to reach \$ 448 million by 2032, rising at a market growth of 8.3% CAGR during the forecast period (2026-2032).

In 2025, global topical recombinant human thrombin production reached approximately 230 k units, the average price is 1080 usd/unit. Topical recombinant human thrombin is a topical thrombin used when capillaries and venules oozing blood and minor bleeding are available and the bleeding is controlled by standard surgical techniques such as sutures, ligation, or cautery. When ineffective or impractical in the population, it can assist in hemostasis.

Market Concentration and Key Players:

Internationally, the market concentration of recombinant human thrombin for external use is relatively high, mainly concentrated in developed countries such as Europe, America and Japan. From the domestic point of view, recombinant human thrombin for external use still has a lot of room for development.

Manufacturing Processes and Market Trends:

The core of the preparation process of recombinant human thrombin for external use lies in gene recombination and cell culture technology. The gene encoding human thrombin is introduced into CHO cells and other expression systems, and high-purity products are obtained through multi-step precise procedures such as cell culture, amplification, centrifugal filtration and chromatography purification. The whole process avoids the dependence of the traditional process on human plasma. Compared with thrombin derived from human or animal blood, recombinant products significantly reduce the risk of viral contamination and immunogenicity while achieving comparable hemostatic effects, and are easier to achieve large-scale, cost-controlled production. At the market level, the demand for recombinant human thrombin for external use in China is closely linked to the steady growth of surgical volume, driving the expansion of

the surgical local hemostatic drug market. Recombinant human thrombin has great market potential because of its high safety and relatively low cost. At present, there are few products that have been marketed worldwide. Zejing Pharmaceutical is a leading enterprise in this field in China. Its self-developed recombinant human thrombin for external use has submitted a marketing authorization application, filling the gap in the domestic market.

Future trends focus on technical iterations to further improve the biological potency and purity of products, and explore the application potential in special environments such as wet or hypothermia, while developing new formulations combined with degradable biomaterials is also an important direction. Driven by both policy support for domestic innovative drugs and market demand, recombinant human thrombin for external use is expected to gradually replace traditional blood-derived products and become an important choice for surgical local hemostasis.

This report studies the global Topical Recombinant Human Thrombin production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Topical Recombinant Human Thrombin and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Topical Recombinant Human Thrombin that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Topical Recombinant Human Thrombin total production and demand, 2021-2032, (K Units)

Global Topical Recombinant Human Thrombin total production value, 2021-2032, (USD Million)

Global Topical Recombinant Human Thrombin production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Topical Recombinant Human Thrombin consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Topical Recombinant Human Thrombin domestic production, consumption, key domestic manufacturers and share

Global Topical Recombinant Human Thrombin production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Topical Recombinant Human Thrombin production by Capacity, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Topical Recombinant Human Thrombin production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Topical Recombinant Human Thrombin

market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Baxter, Suzhou Zelgen Biopharmaceuticals, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Topical Recombinant Human Thrombin market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Capacity, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Topical Recombinant Human Thrombin Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Topical Recombinant Human Thrombin Market, Segmentation by Capacity:

2000/Bottle

5000/Bottle

Others

Global Topical Recombinant Human Thrombin Market, Segmentation by Solvent:

Lyophilized Powder

Ready to Use Solution

Global Topical Recombinant Human Thrombin Market, Segmentation by Use:

Direct External Use

Carrier Composite External Use

Global Topical Recombinant Human Thrombin Market, Segmentation by Application:

Hospital

Clinic

Companies Profiled:

Baxter

Suzhou Zelgen Biopharmaceuticals

Key Questions Answered:

1. How big is the global Topical Recombinant Human Thrombin market?
2. What is the demand of the global Topical Recombinant Human Thrombin market?
3. What is the year over year growth of the global Topical Recombinant Human Thrombin market?
4. What is the production and production value of the global Topical Recombinant Human Thrombin market?
5. Who are the key producers in the global Topical Recombinant Human Thrombin

market?

6. What are the growth factors driving the market demand?

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