

Recombinant Human FGB, His-tagged

Cat. No. FGB-12856H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGB protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	142-491a.a.
Description	The protein encoded by this gene is the beta component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing

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cycles.

Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name

FGB fibrinogen beta chain [Homo sapiens]

Official Symbol

FGB

Synonyms

FGB; fibrinogen beta chain; fibrinogen, B beta polypeptide; MGC104327; MGC120405;

Gene ID

2244

mRNA Refseq

NM_001184741

Protein Refseq

NP_001171670

MIM

134830

UniProt ID

P02675

Chromosome Location

4q28

Pathway

Blood Clotting Cascade, organism-specific biosystem; Common Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Formation of Fibrin

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Clot (Clotting Cascade), organism-specific biosystem; GRB2:SOS provides linkage to MAPK signaling for Intergrins, organism-specific biosystem;

Function

chaperone binding; eukaryotic cell surface binding; protein binding, bridging; receptor binding;

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