

Recombinant Human FGГ, His-tagged

Cat. No. FGГ-12884H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGГ protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-348a.a.
Description	The protein encoded by this gene is the gamma 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 dysfibrinogenemia, hypofibrinogenemia and thrombophilia. Alternative splicing results in two transcript variants encoding different isoforms.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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GENE INFORMATION

Gene Name	FGG fibrinogen gamma chain [Homo sapiens]
Official Symbol	FGG
Synonyms	FGG; fibrinogen gamma chain; fibrinogen, gamma polypeptide;
Gene ID	2266
mRNA Refseq	NM_000509
Protein Refseq	NP_000500
MIM	134850
UniProt ID	P02679
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, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; GRB2:SOS provides linkage to MAPK signaling for Intergrins, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;
Function	eukaryotic cell surface binding; protein binding, bridging; receptor binding;

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