

Recombinant Full Length Human FG γ Protein, GST-tagged

Cat. No. FGG-4930HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FG γ full-length ORF (BAF82111.1, 1 a.a. - 453 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	453 amino acids
Description	<p>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. [provided by RefSeq]</p>
Molecular Mass	77.9 kDa
AA Sequence	<p>MSWSLHPRNLILYFYALLFLSSTCVAYVATRDNCCILDERFGSYCPTTCGIADFLSTY QTKVKDKDLQSLEDILHQVENKTSEVKQLIKAIQLTYNPDESSKPNMIDAATLKS RKML EEIMKYEASILTHDSSIRYLQEIYNSNNQKIVNLKEKVAQLEAQCQEPCKD TVQIHDIT GKDCQDIANKGAKQSGLYFIKPLKANQQFLVYCEIDGSGNGWTVFQKRLDGSVDFK</p>

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KNWIQYKEGFGHLSPTGTTEFWLGNEKIHLISTQSAIPYALRVELEDWNGRTSTADY
 AMFKVGPEADKYRLTYAYFAGGDAGDAFDGDFGDDPSDKFFTSHNGMQFSTWD
 NDNDKFEFNCAEQDGSWWMNKCHAGHLNGVYYQGGTYSKASTPNGYDNGIWA
 TWKTRWYSMKKTTMKIIPFNRLTIGEGQQHHLGGAKQVRPEHPAETEDSLYPEDD
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Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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MIM	134850
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UniProt ID	P02679
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