

Recombinant Full Length Human FG3 Protein, GST-tagged

Cat. No. FG3-4930HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FG3 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	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]
Molecular Mass	77.9 kDa
AA Sequence	MSWSLHPRNLILYFYALLFLSSTCVAYVATRDNCCILDERFGSYCPTTCGIADFLSTY QTKVDKDLQSLEDILHQVENKTSEVKQLIKAIQLTYNPDESSKPNMIDAATLKSRKML EEIMKYEASILTHDSSIRYLQEIYNSNNQKIVNLKEKVAQLEAQCQEPCKDTVQIHDIT GKDCQDIANKGAKQSGLYFIKPLKANQQFLVYCEIDGSGNGWTVFQKRLDGSVDFK

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KNWIQYKEGFGHLSPTGTTEFWLGNEKIHLISTQSAIPYALRVELEDWNGRTSTADY
AMFKVGPEADKYRLTYAYFAGGDAGDAFDGDFGDDPSDKFFTSHNGMQFSTWD
NDNDKFEGNCAEQDGSWWMNKCHAGHLNGVYYQGGTYSKASTPNGYDNGIWA
TWKTRWYSMKKTTMKIIPFNRLTIGEGQQHHLGGAKQVRPEHPAETEDSLYPEDD
L

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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