

Recombinant Human FGG Protein (27-437aa), N-His tagged

Cat. No. FGG-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human FGG (27-437aa), fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	27-437aa
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 transcript variants encoding different isoforms.
Form	Liquid
Molecular Mass	48.9 kDa (434aa) confirmed by MALDI-TOF
AA Sequence	YVATRDNCCILDERFGSYCPTTCGIADFLSTYQTKVKDKLQSLLEDILHQVENKTSEVK QLIKAIQLTYNPDESSKPNMIDAATLKSRKMLEEIMKYEASILTHDSSIRYLQEIYNSNN

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QKIVNLKEKVAQLEAQCQEPCCKDTVQIHDITGKDCQDIANKGAKQSGLYFIKPLKANQ
 QFLVYCEIDGSGNGWTVFQKRLDGSVDFKKNWIQYKEGFGHLSPTGTTEFWLGNE
 KIHLISTQSAIPYALRVELEDWNGRTSTADYAMFKVGPEADKYRLTYAYFAGGDAGD
 AFDGDFDGDPSDKFFTSHNGMQFSTWDNDNDKFEFNCAEQDGSWWMNKCHA
 GHLNGVYYQGGTYSKASTPNGYDNGIHWATWKTRWYSMKKTTMKIIPFNRLTIGEG
 QQHHLGGAKQAGDV

Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Bradford assay)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

GENE INFORMATION

Gene Name	FGG fibrinogen gamma chain [Homo sapiens (human)]
Official Symbol	FGG
Synonyms	FGG; fibrinogen gamma chain; fibrinogen gamma chain; fibrinogen, gamma polypeptide; testicular tissue protein Li 70
Gene ID	2266
mRNA Refseq	NM_000509

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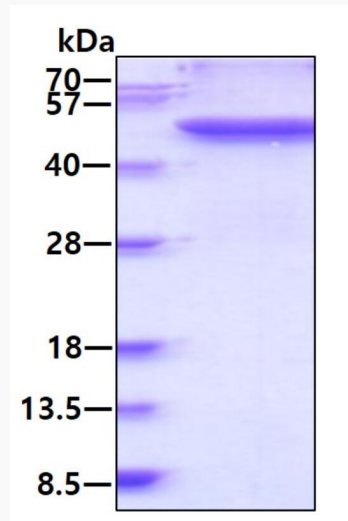
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Protein Refseq NP_000500

MIM 134850

UniProt ID P02679

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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