

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

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

SPECIFICATION

Product Overview	Recombinant human FGΓ (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	YVATRDNCCILDERFGSYCPTTCGIADFLSTYQTKVDKDLQSLEDILHQVENKTSEVK QLIKAIQLTYNPDESSKPNMIDAATLKSRKMLEEIMKYEASILTHDSSIRYLQEIYNSNN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QKIVNLKEKVAQLEAQCQEPCKDTVQIHDITGKDCQDIANKGAKQSGLYFIKPLKANQ
 QFLVYCEIDGSGNGWTVFQKRLDGSVDFKKNWIQYKEGFGHLSPTGTTEFWLGNE
 KIHLISTQSAIPYALRVELEDWNGRTSTADYAMFKVGPEADKYRLTYAYFAGGDAGD
 AFDGDFDGDPSDKFFTSNMGQFSTWDNDNDKFEGNCAEQDGSWWMNKCHA
 GHLNGVYYQGGTYSKASTPNGYDNGIOWATWKTRWYSMKKTTMKIIPFNRLTIGEG
 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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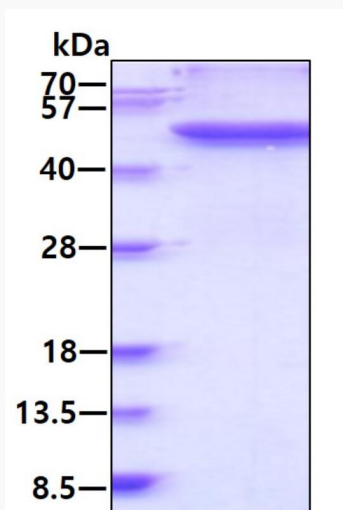
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Protein Refseq NP_000500

MIM 134850

UniProt ID P02679

SDS-PAGE



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

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