

Product datasheet for **TP302770L**

Fibrinogen gamma chain (FGG) (NM_000509) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fibrinogen gamma chain (FGG), transcript variant gamma-A, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202770 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSWSLHPRNLILYFYALLFLSSTCVAYVATRDNCCILDERFGSYCPTTCGIADFLSTYQTKVDKDLQSL DILHQVENKTSEVKQLIKAIQLTYNPDESSKPNMIDAATLKSRKMLEEIMKYEASILTHDSSIRYLQEIY NSNNQKIVNLKEKVAQLEAQCQEPCKDVTQIHDITGKDCQDIANKGAKQSGLYFIKPLKANQQFLVYCEI DGSGNGWTVFQKRLDGSVDFKKNWIQYKEGFGHLSPTGTTEFWLGNEKIHLISTQSAIPYALRVELEDWN GRTSTADYAMFKVGPADKYRLTYAFAGGDAGDAFDGDFGDDPSDKFFTSHNGMQFSTWDNDNDKFEG NCAEQDGSWWMNKCHAGHLNGVYYQGGTYSKASTPNGYDNGIHWATWKTRWYSMKKTTMKIIPFNRLTI GEGQQHHLGGAKQAGDV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	46.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000500</u>



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Locus ID: 2266

UniProt ID: [P02679](#), [A0A140VJJ6](#)

RefSeq Size: 1665

Cytogenetics: 4q32.1

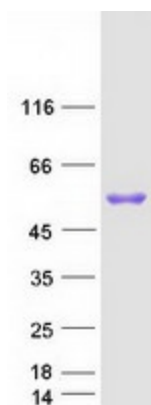
RefSeq ORF: 1311

Summary: 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. [provided by RefSeq, Aug 2015]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Complement and coagulation cascades

Product images:



Coomassie blue staining of purified FGG protein (Cat# [TP302770]). The protein was produced from HEK293T cells transfected with FGG cDNA clone (Cat# [RC202770]) using MegaTran 2.0 (Cat# [TT210002]).