

Product datasheet for PH302770

Fibrinogen gamma chain (FGG) (NM_000509) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGG MS Standard C13 and N15-labeled recombinant protein (NP_000500)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202770
Predicted MW:	49.5 kDa
Protein Sequence:	>RC202770 protein sequence Red=Cloning site Green=Tags(s)

MSWSLHPRNLILYFYALLFLSSTCVAYVATRDNCCILDERFGSYCPTTCGIADFLSTYQTKVDKDLQSLE
DILHQVENKTSEVKQLIKAIQLTYNPDESSKPNMIDAATLKSRLKMLEEIMKYEASILTHDSSIRYLQEIY
NSNNQKIVNLKEKVAQLEAQCQEPCKDTVQIHDITGKDCQDIANKGAKQSGLYFIKPLKANQQFLVYCEI
DGSGNGWTVFQKRLDGSVDFKKNWIQYKEGFGHLSPTGTTEFWLGNEKIHLISTQSAIPYALRVELEDWN
GRTSTADYAMFKVGPADKYRLTYAYFAGGDAGDAFDGDFGDDPSDKFFTSHNGMQFSTWDNDNDKFEG
NCAEQDGSWMMNKCHAGHLNGVYYGGTYSKASTPNGYDNGI IWATWKTRWYSMKKTTMKIIPFNRLTI
GEGQQHHLGGAKQAGDV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000500</u>
RefSeq Size:	1665
RefSeq ORF:	1311
Locus ID:	2266



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

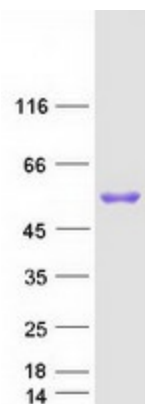
Cytogenetics: 4q32.1

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]).