

Recombinant Human FGG Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. FGG-427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FGG MS Standard C13 and N15-labeled recombinant protein (NP_000500) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. [provided by RefSeq, Aug 2015]
Molecular Mass	49.5 kDa
AA Sequence	MSWSLHPRNLILYFYALLFLSSTCVAYVATRDNCCILDERFGSYCPTTCGIADFLSTY QTKVDKDLQSLEDILHQVENKTSEVKQLIKAIQLTYNPDESSKPNMIDAATLKSRKML EEIMKYEASILTHDSSIRYLQEIYNSNNQKIVNLKEKVAQLEAQCQEPCKDTVQIHDT GKDCQDIANKGAKQSGLYFIKPLKANQQFLVYCEIDGSGNGWTVFQKRLDGSVDFK

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KNWQYKEGFGHLSPTGTTEFWLGNEKIHLISTQSAIPYALRVELEDWNGRTSTADY
AMFKVGPEADKYRLTYAYFAGGDAGDAFDGDFGDDPSDKFFTSNMGQFSTWD
NDNDKFEGNCAEQDGSWWMNKCHAGHLNGVYYQGGTYSKASTPNGYDNGIWA
TWKTRWYSMKKTTMKIIPFNRLTIGEGQQHHLGGAKQAGDVTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FGG fibrinogen gamma chain [Homo sapiens (human)]

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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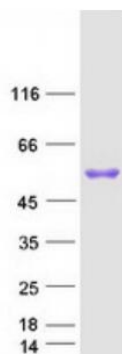
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MIM 134850

UniProt ID P02679

SDS-PAGE



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