

Recombinant Human FGG protein, His-tagged

Cat. No. FGG-438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGG (P02679) aa. (Lys166~Asn416) fused with His tag was produced in Yeast cells.
Species	Human
Source	Yeast
ProteinLength	Lys166~Asn416
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.8kDa; Accurate Molecular Mass: 34kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Characteristic	Isoelectric point is 5.7.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

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

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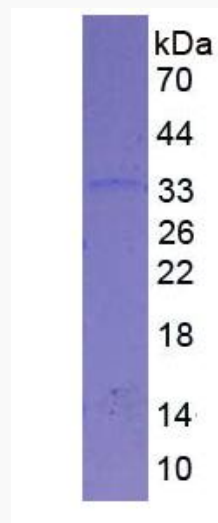
Gene ID 2266

mRNA Refseq NM_000509.5

Protein Refseq NP_000500.2

UniProt ID P02679

SDS-PAGE



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