

**FGG, 27-437aa, Human, His tag, E.coli**

**Cat.NO.: TP02125**

3th Edition

**Synonyms:**Fibrinogen gamma chain isoform gamma-A, Fibrinogen gamma chain

**Description:**FGG, also Known as Fibrinogen gamma chain isoform gamma-A. FGG is the gamma component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, FGG is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. Recombinant human FGG, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

**Molecular Weight:**48.9kDa (434aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSYVATRDNCCILDERFGSYCPTTCGIADFLSTYQTKVDKDLQSLEDILHQVEN  
KTSEVKQLIKAIQLTYNPDESSKPNMIDAATLKSRLMEEIMKYEASILTHDSSIRYLQEIYNSNNQKIVNLKEKVAQLE  
AQCQEPCKDTVQIHDITGKDCQDIANKGAKQSGLYFIKPLKANQQFLVYCEIDGSGNGWTVFQKRLDGSVDFKKN  
WIQYKEGFGHLSPTGTTEFWLGNEKIHLISTQSAIPYALRVELEDWNGRTSTADYAMFKVGPADKYRLTYAYFAG  
GDAGDAFDGDFGDDPSDKFFTSHNGMQFSTWDNDNDKFEFNCAEQDGSWMMNKCHAGHLNGVYYQGGTY  
SKASTPNGYDNGIHWATWKTRWYSMKKTTMKIIPFNRLTIGEGQQHHLGGAKQAGDV

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.