



# Recombinant Human Fibrinogen gamma chain (FGG)

<b>Product Code</b>	CSB-MP008651HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P02679
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>YVAT RDNCCILDER FGSYCPTTCG IADFLSTYQT KVDKDLQSLE  DILHQVENKT SEVKQLIKAI QLTYNPDESS KPNMIDAATL KSRKMLEEIM  KYEASILTHD SSIRYLQEIY NSNNQKIVNL KEKVAQLEAQ CQEPCKDTVQ  IHDITGKDCQ DIANKGAKQS GLYFIKPLKA NQQFLVYCEI DGSGNGWTVF  QKRLDGSVDF KKNWQYKEG FGHLSPGTGTT EFWLGNKIH LISTQSAIPY  ALRVELEDWN GRTSTADYAM FKVGPEADKY RLTYAYFAGG DAGDAFDGFD  FGDDPSDKFF TSHNGMQFST WDNDNDKFEG NCAEQDGS GW  WMNKCHAGHL NGVYYQGGTY SKASTPNGYD NGIIWATWKT  RWYSMKKTTM KIIPFNRLTI GEGQQHHLGG AKQVRPEHPA ETEYDSLYPE  DDL</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	FGG
<b>Protein Names</b>	Recommended name: Fibrinogen gamma chain
<b>Expression Region</b>	27-453
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein 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 two transcript variants encoding different isoforms.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.