



Recombinant Rat Fibrinogen gamma chain (Fgg)

Product Code	CSB-EP008651RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P02680
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	QYTAT RDNCCILDER FGSYCPTTCG ISDFLNSYQT DVDTDLQTL NILQRAENRT TEAKELIKAI QVYYNPDQPP KPGMIEGATQ KSKKMVEEIL KYEALLLTHE SSIRYLQDIY TSNKQKITNL KQKVAQLEAQ CQEPCKDSVR IHDTTGKDCQ DIANKGAKES GLYFIRPLKA TQQFLVYCEI DGSGNGWTVL QKRLDGSVDF KKNWIIQYKEG FGHLSPGTGTT EFWLGNKIH LISMQSTIPY ALRIQLKDWS GRTSTADYAM FRVGPESDKY RLTYAYFIGG DAGDAFDGYD FGDDPSDKFF TSHNGMHFST WDNDNDKFEG NCAEQDGSW WMNKCHAGHL NGVYYQGGTY SKSSTPNGYD NGIIWATWKT RWYSMKETTM KIIPFNRLSI GDGQQHHMGG SKQVSVEHEV DVEYP
Source	E.coli
Target Names	Fgg
Protein Names	Recommended name: Fibrinogen gamma chain
Expression Region	26-445
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.