



# Recombinant Rat Fibrinogen alpha chain (Fga)

<b>Product Code</b>	CSB-EP008607RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P06399
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GPRI VERQPSQCKE TDWPFCSDED WNHKCPGCR MKGLIDEANQ DFTNRINKLK NSLFDFQKNN KDSNSLTRNI MEYLRGDFAN ANNFDNTFGQ VSEDLRRRIQ ILKRKVEIKA QQIQVLQKDV RDQLIDMKRL EVDIDIKIRS CKGSCRSVS REINLKDYEG QQKQLEQVIA KDLLPAKDRQ YLPAIKMSPV PDLVPGSFKS QLQEGPPEWK ALTEMRQMRM ELERPGKDGA SRGDLPGDSR GDSATRPGPS KIENPMTPGH GGSGYWRPGS SGSGSDGNWG SGTGSDDTG TWGAGSSRPS SGSGNLKPSN PDWGEFSEFG GSSSPATRKE YHTGKLVTSK GDKELLIGNE KVTSTGTSTT RRSCSKTITK TVLGNDGHRE VVKEVVTSDD GSDCGDGM DLGLTHSFSGRL DELSRMHPEL GSFYDSRFGS LTSNFKEFGS KTSDDSDIFTD IENPSSHVPE FSSSKTSTV RKQVTKSYKM ADEAASEAHQ EGDTRTTKRG RARTMRDCDD VLQTHPSGAQ NGIFSIKLPG SSKIFSVYCD QETSLGGWLL IQQRMDGSLN FNRTWQDYKR GFGSLNDKGE GEFWLGNDYL HLLTLRGSVL RVELEDWAGK EAYAEYHFRV GSEAEGYALQ VSSYQG TAGD ALMEGSVEEG TEYTSHSNMQ FSTFDRDADQ WEENCAEVY G GGWWYNSCQA ANLNGIYYPG GTYDPRNNSP YEIENGVLVW PFRGADYSLW AVR MKIRPLV GQ
<b>Source</b>	E.coli
<b>Target Names</b>	Fga
<b>Protein Names</b>	Recommended name: Fibrinogen alpha chain Cleaved into the following 2 chains: 1. Fibrinopeptide A 2. Fibrinogen alpha chain
<b>Expression Region</b>	37-782
<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 alpha 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, afibrinogenemia and renal amyloidosis.



Alternative splicing results in two isoforms which vary in the carboxy-terminus.

---

**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.