



Recombinant Mouse Coagulation factor XI (F11)

Product Code	CSB-MP007916MO
Abbreviation	F11
Storage	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.
Uniprot No.	Q91Y47
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	EC VTKVFKDISF QGGDLSTVFT PSATYCR LVC THHP RCLLFT FMAESSSDDP TKWFACILKD SVTEILPMVN MTGAISGYSF KQCPQQLSTC SKDVYVNLDM KGMNYNSSVV KNARECQERC TDDAHCQFFT YATGYFPSVD HRKMCLLKYT RTGTPTTITK LNGVVS GFSL KSCGLSNLAC IRDIFPNTVL ADLNIDSVVA PDAFVCRRIC THHPTCLFFT FFSQAWPKES QRHLCLLKTS ESGLPSTRIT KSHALSGFSL QHCRHSVPVF CHPSFYNDTD FLGEELDIVD VKGQETCQKT CTNNARCQFF TYYP SHRLCN ERNRRGR CYL KLSSNGSPTR ILHGRGGISG YSLRLCKMDN VCTTKINPR
Source	Mammalian cell
Target Names	F11
Protein Names	Recommended name: Coagulation factor XI Short name= FXI EC= 3.4.21.27 Alternative name(s): Plasma thromboplastin antecedent Short name= PTA Cleaved into the following 2 chains: 1. Coagulation factor XIa heavy chain 2.
Expression Region	19-389
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 gene encodes coagulation factor XI of the blood coagulation cascade. This protein is present in plasma as a zymogen, which is a unique plasma coagulation enzyme because it exists as a homodimer consisting of two identical polypeptide chains linked by disulfide bonds. During activation of the plasma factor XI, an internal peptide bond is cleaved by factor XIIa (or XII) in each of the two chains, resulting in activated factor XIa, a serine protease composed of two heavy and two light chains held together by disulfide bonds. This activated plasma factor XI triggers the middle phase of the intrinsic pathway of blood coagulation by activating factor IX. Defects in this factor lead to Rosenthal syndrome, a blood coagulation abnormality.

**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

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