



Recombinant Rat thrombin (F2)

Product Code	CSB-EP007923RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P18292
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	ANSGFLE ELRKGNLERE CVEEQCSYEE AFEALESPQD TDVFWAKYTV CDSVRKPRET FMDCLEGRCA MDLGLNYHGN VSVTHTGIEC QLWRSRYPHR PDINSTTHPG ADLKENFCRN PDSSTSGPWC YTTDPTVRRE ECSIPVCGQE GRTTVKMTPR SRGSKENLSP PLGECLELGRG RLYQGNLAVT TLGSPCLAWD SLPTKTLISKY QNFDPEVKLV QNFCRNPDRD EEGAWCFVAQ QPGFEYCSLN YCDEAVGEEEN HDGDESIAGR TTDAEFHTFF DERTFGLGEA DCGLRPLFEK KSLTDKTEKE LLDSYIDGRI VEGWDAEKGI APWQVMLFRK SPQELLCGAS LISDRWVLTA AHCILYPPWD KNFTENDLLV RIGKHSRTRY ERNVEKISML EKIYIHPRYN WRENLDRIA LLKLKPPVPF SDYIHPVCLP DKQTVTSLQ AGYKGRVTGW GNLRETWTTN INEIQPSVLQ VVNLPIVERP VCKASTRIRI TDNMFCAGFK VNDTKRGDAC EGDSGGPFVM KSPYNHRWYQ MGIVSWGEGC DRNGKYGFYT HVFRLKRWMQ KVIDQHR
Source	E.coli
Target Names	F2
Protein Names	Recommended name: Thrombin EC= 3.4.21.5
Expression Region	44-617
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	Coagulation factor II is proteolytically cleaved to form thrombin in the first step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also plays a role in maintaining vascular integrity during development and postnatal life. Mutations in F2 leads to various forms of thrombosis and dysprothrombinemia.
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.