



# Recombinant Rat thrombin (F2)

<b>Product Code</b>	CSB-MP007923RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P18292
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>ANSGFLE ELRKGNLERE CVEEQCSYEE AFEALESPQD TDVFWAKYTV            CDSVRKPRET FMDCLEGRCA MDLGLNYHGN VSVTHTGIEC QLWRSRYPHR            PDINSTTHPG ADLKENFCRN PDSSTSGPWC YTTDPTVRRE ECSIPVCGQE            GRITVKMTPR SRGSKENLSP PLGECLELGRG RLYQGNLAVT TLGSPCLAWD            SLPTKTLISKY QNFDPEVKLV QNFCRNPDRD EEGAWCFVAQ QPGFEYCSLN            YCDEAVGEEEN HDGDESIAGR TTDAEFHTFF DERTFGLGEA DCGLRPLFEK            KSLTDKTEKE LLDSYIDGRI VEGWDAEKGI APWQVMLFRK SPQELLCGAS            LISDRWVLTA AHCILYPPWD KNFTENDLLV RIGKHSRTRY ERNVEKISML            EKIIHPRYN WRENLDRIA LLKLKPPVPF SDYIHPVCLP DKQTVTSLQ            AGYKGRVTGW GNLRETWTTN INEIQPSVLQ VVNLPIVERP VCKASTRIRI            TDNMFCAGFK VNDTKRGDAC EGDSGGPFVM KSPYNHRWYQ            MGIVSWGEGC DRNGKYGFYT HVFRLKRWMQ KVIDQHR</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	F2
<b>Protein Names</b>	Recommended name: Thrombin EC= 3.4.21.5
<b>Expression Region</b>	44-617
<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>	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.
<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.
<b>Shelf Life</b>	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.