

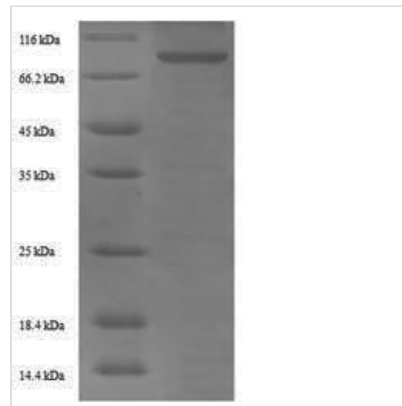


# Recombinant Human Prothrombin (F2)

<b>Product Code</b>	CSB-EP007923HU
<b>Relevance</b>	Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.
<b>Abbreviation</b>	Recombinant Human F2 protein
<b>Storage</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.
<b>Uniprot No.</b>	P00734
<b>Alias</b>	Coagulation factor II Cleaved into the following 4 chains: Activation peptide fragment 1 Activation peptide fragment 2 Thrombin light chain Thrombin heavy chain
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	ANTFLEEVKGNLERECVEETCSYEEAFEALSSTATDVFWAKYTACETARTP RDKLAACLEGNCAEGLGTNYRGHVNITRSGIECQLWRSRYPHKPEINSTTHPG ADLQENFCRNPDSSTTGPWCYTTDPTVRRQECSIPVCGQDQVTVAMTPRSE GSSVNLSPPLEQCVPDRGQQYQGR LAVTTHGLPCLAWASAAKALSKHQDF NSAVQLVENFCRNPDGDEEGVWCYVAGKPGDFGYCDLNYCEEAVEEETGDG LDESDRAIEGRTATSEYQTFNPRTFGSGEADCGLRPLFEKKSLEDKTEREL LESYIDGRIVEGSDAEIGMSPWQVMLFRKSPQELLCGASLISDRWVLTAAHCLL YPPWDKNFTENDLLVRIGKHSRTRYERNIEKISMLEKIYIHPRYNWRENLDRDIA LMKLKPVAFSDYIHPVCLPDRETAASLLQAGYKGRVTGWGNLKETWTANVG KGQPSVLQVVNLPIVERPVCKDSTRIRITDNMFCAGYKPDEGKRGDACEGDS GGPFVMKSPFNRRWYQMGIVSWGEGCDRDGKYGFYTHVFRLLKKWIQKVIDQ FGE
<b>Research Area</b>	Cardiovascular
<b>Source</b>	E.coli
<b>Target Names</b>	F2
<b>Expression Region</b>	44-622aa
<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>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	81.3kDa
<b>Protein Length</b>	Full Length of Mature Protein



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## 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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