



Recombinant Human Prothrombin (F2)

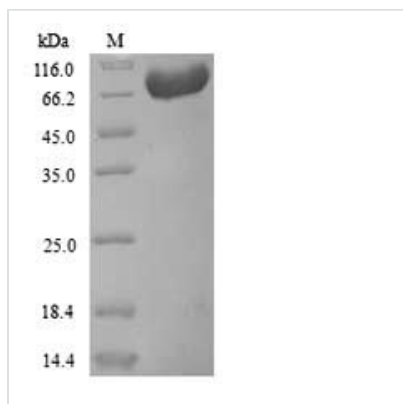
Product Code	CSB-YP007923HU
Relevance	Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.
Abbreviation	Recombinant Human F2 protein
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.	P00734
Alias	Coagulation factor II Cleaved into the following 4 chains: Activation peptide fragment 1 Activation peptide fragment 2 Thrombin light chain Thrombin heavy chain
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ANTFLEEVRKGNLERECVEETCSYEEAFEALSSTATDVFWAKYTACETARTP RDKLAACLEGNAEGLGTNYRGHVNITRSGIECQLWRSRYPHKPEINSTTHPG ADLQENFCRNPDSSTTGPWCYTTDPTVRRQECSIPVCGQDQVTVAMTPRSE GSSVNLSPPLEQCVPDRGQQYQGR LAVTTHGLPCLAWASAQAKALSKHQDF NSAVQLVENFCRNPDGDEEGVWCYVAGKPGDFGYCDLNYCEEAVEEETGDG LDESDRAIEGRTATSEYQTFNPRTFGSGEADCGLRPLFEKKSLEDKTEREL LESYIDGRIVEGSDAEIGMSPWQVMLFRKSPQELLCGASLISDRWVLTAAHCLL YPPWDKNFTENDLLVRIGKHSRTRYERNIEKISMLEKIYIHPRYNWRENLDRDIA LMKLLKPVAFSDYIHPVCLPDRETAASLLQAGYKGRVTGWGNLKETWTANVG KGQPSVLQVVNLPIVERPVCKDSTRIRITDNMFCAGYKPDEGKRGDACEGDS GGPFVMKSPFNRRWYQMGIVSWGEGCDRDRGKYGFYTHVFRLKKWIQKVIDQ FGE
Research Area	Cardiovascular
Source	Yeast
Target Names	F2
Protein Names	Recommended name: Prothrombin EC= 3.4.21.5 Alternative name(s): Coagulation factor II Cleaved into the following 4 chains: 1. Activation peptide fragment 1 2. Activation peptide fragment 2 3. Thrombin light chain 4. Thrombin
Expression Region	44-622aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged



Mol. Weight 67.3kDa

Protein Length 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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