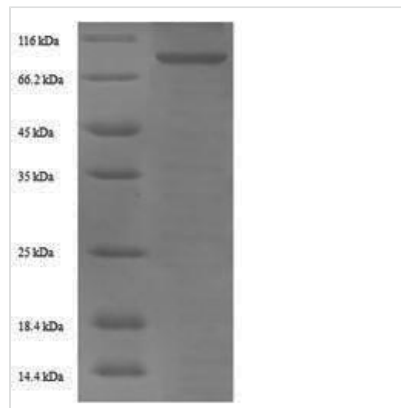




# Recombinant Human Prothrombin(F2)

<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>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>Storage Buffer</b>	Tris-based buffer,50% glycerol
<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>Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	ANTFLEEVVRKGNLERECVEETCSYEEAFELESSTATDVFWAKYTACETARTP RDKLAACLEGNAEGLGTNYRGHVNITRSGIECQLWRSRYPHKPEINSTTHPG ADLQENFCRNPDSSTTGPWCYTTDPTVRRQECSIPVCGQDQVTVAMTPRSE GSSVNLSPPLEQCVPDRGQQYQGR LAVTTHGLPCLAWASAQAKALSKHQDF NSAVQLVENFCRNPDGDEEGVWCYVAGKPGDFGYCDLNYCEEAVEEETGDG LDESDRAIEGRTATSEYQTFNPRTFGSGEADCGLRPLFEKKSLEDKTEREL LESYIDGRIVEGSDAEIGMSPWQVMLFRKSPQELLCGASLISDRWVLTAAHCLL YPPWDKNFTENDLLVRIGKHSRTRYERNIEKISMLEKIYIHPRYNWRENLDRDIA LMKLLKPVAFSDYIHPVCLPDRETAASLLQAGYKGRVTGWGNLKETWTANVG KGQPSVLQVVNLPIVERPVCKDSTRIRITDNMFCAGYKPDEGKRGDACEGDS GGPFVMKSPFNRRWYQMGIVSWGEGCDRDRGKYGFYTHVFRLKKWIQKVIDQ FGE
<b>Research Area</b>	Cardiovascular
<b>Source</b>	E.coli
<b>Gene 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 Description</b>	Full Length of Mature Protein
<b>Image</b>	



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