

Recombinant Full Length Human F2 Protein, GST-tagged

Cat. No. F2-4495HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human F2 full-length ORF (NP_000497.1, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	622 amino acids
Description	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. Peptides derived from the C-terminus of this protein have antimicrobial activity against E. coli and P. aeruginosa. Mutations in F2 lead to various forms of thrombosis and dysprothrombinemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]
Molecular Mass	96.4 kDa
AA Sequence	MAHVRGLQLPGCLALAALCSLVHSQHVFAPQQARSLQRRANTFLEEVRKGNL ERECVEETCSYEEAFEALSSSTATDVFVWAKYTACETARTPRDKLAACLEGNAEGL GTNYRGHVNITRSGIECQLWRSRYPHKPEINSTTHPGADLQENFCRNPDSSTTGPW CYTTDPTVRRQECSIPVCGQDQVTVAMTPRSEGSSVNLSPPLEQCVDPDRGQQYQG RLAVTTHGLPCLAWASAQAKALSKHQDFNSAVQLVENFCRNPDGDEEGVWCYVAG KPGDFGYCDLNYCEEAVEEETGDGLDESDRAIEGRTATSEYQTFNPRTFGSGEA

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

DCGLRPLFEKKSLEDKTERELLESYIDGRIVEGSDAEIGMSPWQVMLFRKSPQELLC
 GASLISDRWVLTAAHCLLYPPWDKNFTENDLLVRIGKHSRTRYERNIEKISMLEKIYIH
 PRYNWRENLDRIALMKLKPPVAFSDYIHPVCLPDRETAASLLQAGYKGRVTGWGN
 LKETWTANVGKQPSVLQVVNLPIVERPVCKDSTRIRITDNMFCAGYKPDEGKRGD
 ACEGDSSGGPFVMKSPFNRRWYQMGIVSWGEGCDRDGKYGFYTHVFRLKKWIQKVI
 DQFGE

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	F2 coagulation factor II (thrombin) [Homo sapiens]
Official Symbol	F2
Synonyms	F2; coagulation factor II (thrombin); prothrombin; serine protease; prothrombin B-chain; PT; THPH1;
Gene ID	2147
mRNA Refseq	NM_000506

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Protein Refseq NP_000497

MIM 176930

UniProt ID P00734

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA