

F2 recombinant protein

F2, 328-622aa, Human, E Coli (Denatured)

CATALOG # AAA48879	HOST E Coli	APPLICATIONS SDS-Page
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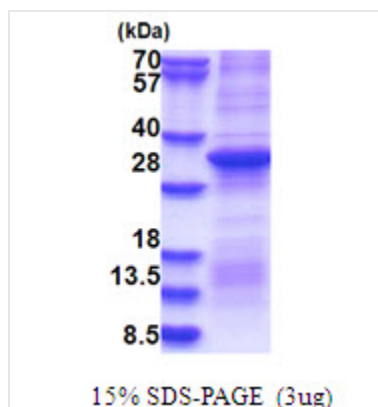
PRODUCT SYNONYMS

F2; 328-622aa; Human; E Coli (Denatured); Coagulation factor II; Factor II (thrombin); PT; F2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 80% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M urea, 10% glycerol.
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MTFGSGEADC GLRPLFEKKS LEDKTERELL ESYIDGRIVE GSDAEIGMSP WQVMLFRKSP QELLCGASLI SDRWVLTAAH CLLYPPWDKN FTENDLLVRI GKHSRTRYER NIEKISMLEK IYIHPRYNWR ENLDRDIALM KLKKPVAFSD YIHPVCLPDR ETAASLLQAG YKGRVTGWGN LKETWTANVG KGQPSVLQVV NLPIVERPVC KDSTRIRITD NMFCAGYKPD EGKRGDACEG DSGGPFVMKS PFNNRWYQMG IVSWGEGCDR DGKYGFYTHV FRLKKWIKV IDQFGE
Sequence Length	622
Applicable Applications for F2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for F2 recombinant protein	Coagulation factor II, also known as F2, 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 lead to various forms of thrombosis and dysprothrombinemia. Recombinant human F2 protein was expressed in E Coli.
Product Categories/Family for F2 recombinant protein	Apoptosis
References	Royle NJ, Irwin DM, Koschinsky ML., et al. (1987) Somat. Cell Mol. Genet. 13 (3): 285-92

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503635
NCBI GeneID	2147
NCBI Accession #	NP_000497
NCBI GenBank Nucleotide #	NM_000506.4
UniProt Accession #	P00734; Q4QZ40; Q53H04; Q53H06; Q69EZ7; Q7Z7P3; Q9UCA1; B2R7F7; B4E1A7
Molecular Weight	33.9kDa (296aa)
NCBI Official Full Name	prothrombin isoform 1 preproprotein
NCBI Official Synonym Full Names	coagulation factor II, thrombin
NCBI Official Symbol	F2
NCBI Official Synonym Symbols	PT; THPH1; RPRGL2
NCBI Protein Information	prothrombin
UniProt Protein Name	Prothrombin
UniProt Gene Name	F2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/f2-recombinant-protein-e-coli-sds-page/48879>