

Prothrombin Active Protein | F2 active protein

Prothrombin protein

CATALOG # AAA75293	HOST Prepared from human fresh plasma
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PRODUCT SYNONYMS

Prothrombin; Prothrombin protein; F2 active protein

PRODUCT SPECIFICATIONS

Host	Prepared from human fresh plasma
Purity/Purification	> 98% by SDS-PAGE
Form/Format	Supplied as a liquid with 50% glycerol/deionized water (vol/vol).
Concentration	5.3mg/ml (varies by lot)
Grade	Ultra Pure
Specific Activity	7.9 U/mg
Extinction Coefficient	$E_{1\text{cm}, 280\text{nm}}^{1\%} = 13.8$
Species	Human
Protein Type	Native
Bioactivity	9.7 units/mg protein - One unit of activity is equivalent to the prothrombin activity in one milliliter of human normal plasma.
Biohazard Information	This product has been tested at serum donor level by an FDA approved methods and found negative or non-reactive for HIV-1/2, HIV-1 RNA, HBsAg, STS, anti-HCV, HCV RNA, anti-HBcore and anti-HTLV I & II, and Zika (by investigational NAT). Since no test can offer complete assurance, handle with precaution.
Preparation and Storage	Upon receipt store at -20°C.

ADDITIONAL INFORMATION

Related Product Information for F2 active protein	Description: Purified native Human Prothrombin protein Biological Significance: Prothrombin is a vitamin K-dependent plasma protein which is synthesized in the liver. Prior to secretion into plasma, prothrombin undergoes post-translational modification by a vitamin K-dependent carboxylase which converts ten specific glutamic acid residues to gamma-carboxyglutamic acid (gla). The ten gla residues are located within the first 40 amino acids of the mature protein and contribute to the ability of prothrombin to bind to negatively charged phospholipid membranes
Product Categories/Family for F2 active protein	Immunology ; Native Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503635
NCBI GeneID	2147
NCBI Accession #	NP_000497.1

NCBI GenBank Nucleotide #	NM_000506.3
UniProt Accession #	P00734; Q4QZ40; Q53H04; Q53H06; Q69EZ7; Q7Z7P3; Q9UCA1; B2R7F7; B4E1A7
Molecular Weight	Contaminants: 72,000 daltons
NCBI Official Full Name	prothrombin 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
UniProt Entry Name	THRB_HUMAN

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/prepared-from-human-fresh-plasma-active-protein/prothrombin/75293>