

alpha-thrombin Active Protein | F2 active protein

Human alpha-thrombin

CATALOG #
AAA37807

HOST
Human plasma

PRODUCT SYNONYMS

alpha-thrombin; Human alpha-thrombin; F2 active protein

PRODUCT SPECIFICATIONS

Host	Human plasma
Purity/Purification	>95% by SDS-PAGE analysis
Form/Format	0.1M Tris, 0.15M NaCl, pH 7.4
Concentration	1.4 mg/ml (varies by lot)
Sequence Length	622
Volume	0.714 ml
Activity	2435 NIH u/mg (Specific activity is determined by chromogenic substrate relative to human NIH standard thrombin.)
Extinction Coefficient	1.83
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -70°C.

ADDITIONAL INFORMATION

Related Product Information for F2 active protein	Human alpha-thrombin is prepared from purified prothrombin by activation with coastal taipan venom followed by affinity chromatography. Purity is verified by SDS-PAGE analysis and specific activity in NIH thrombin units is determined by chromogenic substrate.
Product Categories/Family for F2 active protein	Thrombin/Prothrombin ; Human Thrombin

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 ; Q7Z7P3 ; Q9UCA1 ; B2R7F7 ; B4E1A7
Molecular Weight	36,700 by SDS-PAGE
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; serine protease; prothrombin B-chain; prepro-coagulation factor II
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/human-plasma-f2-active-protein/alpha-thrombin/37807>