

Tissue factor (F3) Active Protein | F3 active protein

Recombinant Human Tissue factor(F3), partial (Active)

CATALOG #
AAA279359

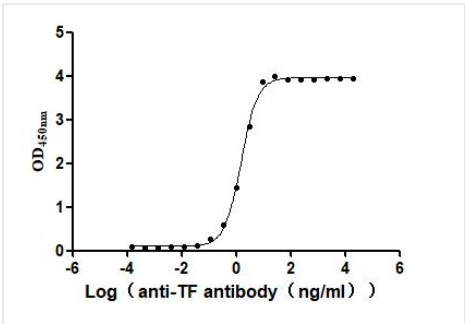
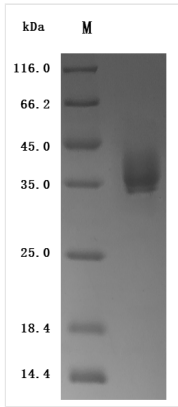
HOST
Mammalian Cell

PRODUCT SYNONYMS

Tissue factor (F3); Recombinant Human Tissue factor(F3); partial (Active); F3 active protein

PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder; Lyophilized from a 0.2um sterile filtered PBS, 6% Trehalose, pH 7.4.
Sequence	SGTTNTVAAY NLTWKSTNFK TILEWEPKPV NQVYTVQIST KSGDWKSKCF YTTDTECDLT DEIVKDVKQT YLARVFSYPA GNVESTGSAG EPLYENSPEF TPYLETNLGQ PTIQSFEQVG TKVNVTVVEDE RTLVRNNNTF LSLRDVFGKD LIYTLYYWKS SSSGKKTAKT NTNEFLIDVD KGENYCFVSQ AVIPSRTVNR KSTDSPVECM GQEKGEFRE
Sequence Length	33-251aa; Partial
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TF at 2ug/mL can bind Anti-TF recombinant antibody . The EC50 is 1.434-1.635ng/mL.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.



Activity

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

ADDITIONAL INFORMATION

Related Product Information for F3 active protein	Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.
References	Human tissue factor: cDNA sequence and chromosome localization of the gene. Scarpati E.M., Wen D., Broze G.J. Jr., Miletich J.P., Flandersmeyer R.R., Siegel N.R., Sadler J.E.Biochemistry 26:5234-5238 (1987)

NCBI AND UNIPROT INFORMATION

NCBI GI #	296010912
NCBI GeneID	2152
NCBI Accession #	NP_001171567.1
NCBI GenBank Nucleotide #	NM_001178096.1
UniProt Accession #	P13726; Q6FHG2; Q86WH4; D3DT47
Molecular Weight	33,068 Da
NCBI Official Full Name	tissue factor isoform 2
NCBI Official Synonym Full Names	coagulation factor III (thromboplastin, tissue factor)
NCBI Official Symbol	F3
NCBI Official Synonym Symbols	TF; TFA; CD142
NCBI Protein Information	tissue factor
UniProt Protein Name	Tissue factor
UniProt Gene Name	F3
UniProt Synonym Gene Names	TF
UniProt Entry Name	TF_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.