

Tissue factor pathway inhibitor (TFPI) Active Protein | TFPI active protein

Recombinant Human Tissue factor pathway inhibitor (TFPI), partial (Active)

CATALOG #
AAA279229

HOST
Mammalian cell

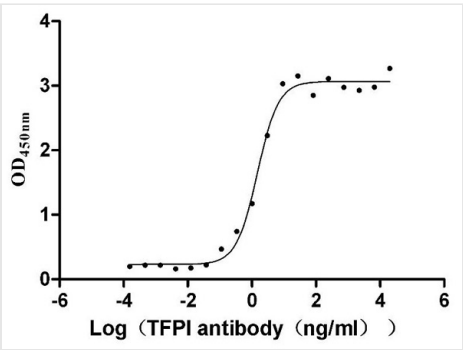
PRODUCT SYNONYMS

Tissue factor pathway inhibitor (TFPI); Recombinant Human Tissue factor pathway inhibitor (TFPI); partial (Active); TFPI; Extrinsic pathway inhibitor; EPI; Lipoprotein-associated coagulation inhibitor; LACI; TFPI active protein

PRODUCT SPECIFICATIONS

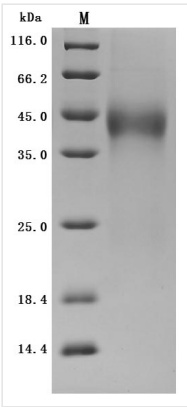
Host	Mammalian cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	29-282aa; Partial
Sequence	DSEEDDEHTI ITDTLPPLK LMHSFCAFK A DDGPCKAIMK RFFFNIFTRQ CEEFIYGGCE GNQNRFSLE ECKKMCTRDN ANRIIKTTLQ QEKPDFCFLE EDPGICRGYI TRYFYNNQTK QCERFKYGGC LGNMNNFETL EECKNICEDG PNGFQVDNYG TQLNAVNNSL TPQSTKVPSL FEFHGPSWCL TPADRGLCRA NENRFYNSV IGKCRPFKYS GCGGNENNFT SKQECLRACK KGFIQRISKG GLIK\$
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cardiovascular
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TFPI at 1 ug/mL can bind Anti-TFPI recombinant antibody, the EC50 is 1.242-1.788 ng/mL.
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. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. 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.

IMAGES



Bioactivity

Measured by its binding ability in a functional ELISA. Immobilized Human TFPI at 1 ?g/ml can bind Anti-TFPI recombinant antibody, the EC50 is 1.242-1.788 ng/mL.



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for TFPI active protein	Inhibits factor X (X(a)) directly and, in a Xa-dependent way, inhibits VIIa/tissue factor activity, presumably by forming a quaternary Xa/LACI/VIIa/TF complex. It possesses an antithrombotic action and also the ability to associate with lipoproteins in plasma.
Product Categories/Family for TFPI active protein	Active Protein & In Stock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	73760409
NCBI GeneID	7035
NCBI Accession #	NP_001027452.1
NCBI GenBank Nucleotide #	NM_001032281.2
UniProt Accession #	P10646; O95103; Q53TS4
Molecular Weight	35,015 Da
NCBI Official Full Name	tissue factor pathway inhibitor isoform b
NCBI Official Synonym Full Names	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
NCBI Official Symbol	TFPI
NCBI Official Synonym Symbols	EPI; TFI; LACI; TFPI1
NCBI Protein Information	tissue factor pathway inhibitor; anti-convertin; extrinsic pathway inhibitor
UniProt Protein Name	Tissue factor pathway inhibitor
UniProt Gene Name	TFPI
UniProt Synonym Gene Names	LACI; TFPI1; TFPI; EPI; LACI
UniProt Entry Name	TFPI1_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.