

Active Recombinant Human TFPI protein, His-tagged

Cat. No. TFPI-875H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TFPI protein(NP_006278.1) (Met 1-Lys 282) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-282 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The IC ₅₀ value is < 0.4 nM, as measured in 100μL reaction mixture containing 1.25 ng trypsin, 10 μM substrate, 50 mM Tris, 10 mM CaCl ₂ , 0.15 M NaCl, 0.05% Brij-35, pH 7.5.
Molecular Mass	The secreted recombinant human TFPI comprises 265 amino acids with a predicted molecular mass of 30.6 kDa. As a result of glycosylation, the apparent molecular mass of rhTFPI is approximately 42-45 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION
Gene Name

TFPI tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor) [Homo sapiens]

Official Symbol

TFPI

Synonyms

TFPI; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor); LACI; tissue factor pathway inhibitor; EPI; extrinsic pathway inhibitor; TFI; TFPI1; anti-convertin;

Gene ID

7035

mRNA Refseq

NM_001032281

Protein Refseq

NP_001027452

MIM

152310

UniProt ID

P10646

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