

Recombinant Human TFPI Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TFPI-5798H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TFPI MS Standard C13 and N15-labeled recombinant protein (NP_001027452) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a Kunitz-type serine protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF complex, which proteolytically activates additional proteases (factors IX and X) and ultimately leads to the formation of a fibrin clot. The product of this gene inhibits the activated factor X and VIIa-TF proteases in an autoregulatory loop. Inhibition of the encoded protein restores hemostasis in animal models of hemophilia. This gene encodes multiple protein isoforms that differ in their inhibitory activity, specificity and cellular localization.
Molecular Mass	28.7 kDa
AA Sequence	MIYTMKKVHALWASVCLLLNLAPAPLNADSEEDDEHTIITDTELPPLKLMHSFCAFKAD DGPCKAIMKRFFFNIFTRQCEEFIYGGCEGNQNRFSLEECKKMCTRDNANRIIKT TLQKEKPDFCFLEEDPGICRGYITRYFYNNQTKQCERFKYGGCLGNMNNFETLEEC KNICEDGPNGFQVDNYGTQLNAVNNSLTPQSTKVPSLFVTKEGTNDGWKNAAHYQ VFLNAFCIHASMFFLGLDSISCLCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

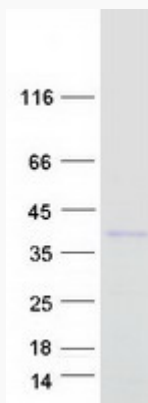
GENE INFORMATION

Gene Name	TFPI tissue factor pathway inhibitor [Homo sapiens (human)]
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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SDS-PAGE

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