

Product datasheet for **TP302098**

TFPI (NM_001032281) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor) (TFPI), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202098 protein sequence Red =Cloning site Green =Tags(s)
	 MIYTMKKVHALWASVCLLLNLAPAPLNADSEEDDEEHTIITDTELPPLKLMHSFCFAKADDGPCKAIMKRF FFNIFTRQCEEFYGGCEGNQNRFESELECKKMCTRDNANRIIKTTLQKEKPDFCFLEEDPGICRGYITR YFYNNQTKQCFERFKYGGCLGNMNNFETLEECKNICEDGPNQFQVDNYGTQLNAVNNSLTPQSTKVPFLV TKEGTNDGWKNAAHYQVFLNAFCIHASMFFLGLDSISCLC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	25.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001027452</u>
Locus ID:	7035



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UniProt ID: [P10646](#)

RefSeq Size: 1166

Cytogenetics: 2q32.1

RefSeq ORF: 753

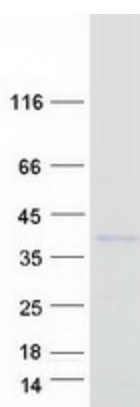
Synonyms: EPI; LACI; TFI; TFPI1

Summary: 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. [provided by RefSeq, Jul 2016]

Protein Families: Secreted Protein

Protein Pathways: Complement and coagulation cascades

Product images:



Coomassie blue staining of purified TFPI protein (Cat# TP302098). The protein was produced from HEK293T cells transfected with TFPI cDNA clone (Cat# [RC202098]) using MegaTran 2.0 (Cat# [TT210002]).