

Product datasheet for PH302098

TFPI (NM_001032281) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TFPI MS Standard C13 and N15-labeled recombinant protein (NP_001027452)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202098
Predicted MW:	28.7 kDa
Protein Sequence:	>RC202098 protein sequence Red=Cloning site Green=Tags(s) MIYTMKKVHALWASVCLLLNLAPAPLNADSEEDEEHTIITDTELPPLKLMHSFCAFKADDGPCKAIMKRF FFNIFTRQCEEFYGGCEGNQRFESLEECKMCTRDNANRIKTTLQQEKPDFCFLEEDPGICRGYITR YFYNNQTKQCERFKYGGCLGNMNNFETLEECKNICEDGPNQVQDNYGTQLNAVNNSLTPQSTKVPFLV TKEGTNDGWKNAAHYQVFLNAFCIHASMFFLGLDISISCLC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001027452
RefSeq Size:	1166
RefSeq ORF:	753
Synonyms:	EPI; LACI; TFI; TFPI1
Locus ID:	7035
UniProt ID:	P10646



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Cytogenetics: 2q32.1

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]).