

## **Product datasheet for PH302098**

### OriGene Technologies, Inc.

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#### 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 FFNIFTRQCEEFIYGGCEGNQNRFESLEECKKMCTRDNANRIIKTTLQQEKPDFCFLEEDPGICRGYITR YFYNNQTKQCERFKYGGCLGNMNNFETLEECKNICEDGPNGFQVDNYGTQLNAVNNSLTPQSTKVPSLFV

TKEGTNDGWKNAAHIYQVFLNAFCIHASMFFLGLDSISCLC

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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: <u>NP 001027452</u>

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)-

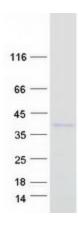
dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF complex, which proteolytically activates additional proteases (factors IX and X) and ultimately leads to the formation of a fibrin clot. The product of this gene inhibits the activated factor 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]).