

## Product datasheet for **AR51157PU-N**

### TFPI (29-304, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	TFPI (29-304, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSDSEEDDEE HTIITDTTELP PLKLMHSFCA FKADDGPCKA IMKRFFFNIF TRQCEEFYIG GCEGNQNRFE SLEECKMCT RDNANRIKT TLQKEKPDFC FLEEDPGICR GYITRYFYNN QTKQCERFKY GGCLGNMNNF ETLEECKNIC EDGPNGFQVD NYGTQLNAVN NSLTPQSTKV PSLFEFHGPS WCLTPADRGL CRANENRFYY NSVIGKCRPF KYSGCGGNEN NFTSKQECLR ACKKGFQRI SKGGLIKTKR KRKKQRVKIA YEEIFVKNM
Tag:	His-tag
Predicted MW:	34.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TFPI protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001027452</a>
Locus ID:	7035
UniProt ID:	<a href="#">P10646</a>
Cytogenetics:	2q32.1
Synonyms:	EPI; LACI; TFI; TFPI1



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**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:**