

# Recombinant human TFPI-2 protein

Catalog Number: ATGP3367

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

23-213aa

### UniProt No.

P48307

### NCBI Accession No.

NP\_006519

### Alternative Names

Tissue factor pathway inhibitor 2 isoform 1, TFPI2, PP5, REF1, TFPI-2

## PRODUCT SPECIFICATION

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### Molecular Weight

22.9 kDa (199aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

TFPI2, as known as tissue factor pathway inhibitor 2 isoform 1, is a kunitz-type serine proteinase inhibitor, which is produced and secreted into endothelial cell matrix (ECM) by endothelial cells, smooth muscle cells, fibroblasts, keratinocytes, and urothelium. Also, this protein has been shown to inhibit ECM proteases essential for angiogenesis and metastasis. Recombinant human TFPI2, fused to His-tag at C-terminus, was expressed in

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insect cell and purified by using conventional chromatography techniques.

### Amino acid Sequence

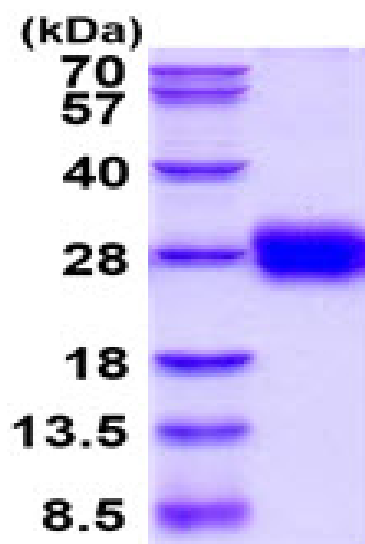
DAAQEPTGNN AEICLLPLDY GPCRALLRY YYDRYTQSCR QFLYGGCEGN ANNFYTWEAC DDACWRIEKV PKVCRLQVSV  
DDQCEGSTK YFFNLSSMTC EKFFSGGCHR NRIENRFPDE ATCMGFCAPK KIPSFYCSPK DEGLCSANVT RYYFNPRYRT  
CDAFTYTGCG GNDNNFVSRE DCKRACAKAL KLEHHHHHH

### General References

Arakawa N., et al. (2013) J. Proteome Res. 12:4340-4350.  
Papareddy P., et al. (2012) PLoS ONE 7:E52772.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)