

# Recombinant Tissue Factor Pathway Inhibitor 2, His-tagged

Cat. No. TFPI2-4641H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	TFPI2 Human Recombinant produced in plants is a single polypeptide chain containing 79 amino acids and having a total molecular mass of 9.3kDa. The TFPI2 is fused to 6xHis Tag at N-terminus and purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	TFPI2 takes part in the regulation of plasmin-mediated matrix remodeling. Inhibits trypsin, plasmin, factor VIIa/tissue factor and weakly factor Xa. TFPI2 doesn't have any influence on thrombin.
<b>Form</b>	Lyophilized from a concentrated (1mg/ml) solution containing PBS pH-7.1.
<b>Purity</b>	Greater than 97.0% as determined by SDS-PAGE.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized TFPI2 in sterile water & 50ug/ml BSA at a concentration of 1mg/ml, which can then be further diluted to other aqueous solutions.
<b>Amino acid sequence</b>	HHHHHHGAAQEPTGNNAEICLLPLDYGPCKALLRYYYDRY TQSCRQFLYGGCEG NANNFYTWEACDDACWRIEKVPKV.

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**Storage**

Lyophilized TFPI2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TFPI2 Human should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

## GENE INFORMATION

**Gene Name**

TFPI2 tissue factor pathway inhibitor 2 [ Homo sapiens ]

**Official Symbol**

TFPI2

**Synonyms**

TFPI2; tissue factor pathway inhibitor 2; PP5; REF1; TFPI-2; FLJ21164; PP5; REF1; TFPI-2; FLJ21164; Placental protein 5

**Gene ID**

7980

**mRNA Refseq**

NM\_006528

**Protein Refseq**

NP\_006519

**MIM**

600033

**UniProt ID**

P48307

**Chromosome Location**

7q

**Function**

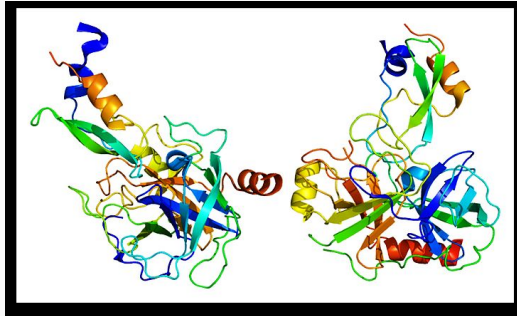
extracellular matrix structural constituent; peptidase inhibitor activity; serine-type endopeptidase inhibitor activity

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