

Recombinant Tissue Factor Pathway Inhibitor 2, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
Description	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.
Form	Lyophilized from a concentrated (1mg/ml) solution containing PBS pH-7.1.
Purity	Greater than 97.0% as determined by SDS-PAGE.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	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.
Amino acid sequence	HHHHHHGAAQEPTGNNAEICLLPLDYGPKALLRYYYDRY 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

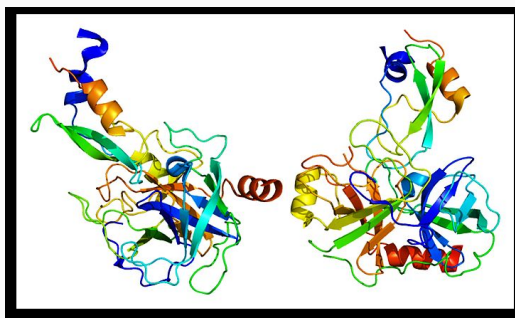
extracellular matrix structural constituent; peptidase inhibitor activity; serine-type endopeptidase inhibitor activity

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