

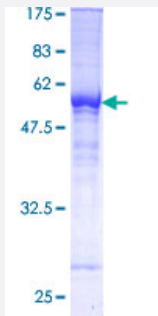
Full-Length

TFPI (Human) Recombinant Protein (P01)

Catalog # H00007035-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TFPI full-length ORF (AAH15514, 1 a.a. - 251 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MIYTMKKVHALWASVCLLLNLAPAPLNADSEEDDEEHTIITDTELPPLKLMHSFCAFKADDGPCKAI
MKRFFFNIFTRQCEEFYGGCEGNQNRFSLEECKMKCTRDNANRIIKTTLQQEKPDFCFLEEDPG
ICRGYTRYFYNNQTKQCERFKYGGCLGNMNNFETLEECKNICEDGPNGFQVDNYGTQLNAVNNSL
TPQSTKVPSLFTKEGTNDGWKNAAHYQVFLNAFCIHASMFFLGLDSISCLC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53.35

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TFPI

Entrez GeneID	7035
GeneBank Accession#	BC015514
Protein Accession#	AAH15514
Gene Name	TFPI
Gene Alias	EPI, LACI, TFI, TFPI1
Gene Description	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
Omim ID	152310
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 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. The encoded protein is glycosylated and predominantly found in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been confirmed. [provided by RefSeq]
Other Designations	OTTHUMP00000163472 anti-converitin extrinsic pathway inhibitor lipoprotein-associated coagulation inhibitor tissue factor pathway inhibitor

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Acute Disease](#)
- [Antiphospholipid Syndrome](#)
- [Arterial Occlusive Diseases](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Brain Ischemia](#)
- [Cadaver](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Femur Head Necrosis](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
- [Inflammation](#)
- [Ischemic Attack](#)
- [Postoperative Complications](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Stroke](#)
- [Thromboembolism](#)

- [Thrombophilia](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)