Datasheet for ABIN2181804

TFPI Protein (AA 29-282) (His tag)

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Overview

Quantity:	50 µg
Target:	TFPI
Protein Characteristics:	AA 29-282
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TFPI protein is labelled with His tag.

Product Details

Sequence:	AA 29-282
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 30 kDa. The protein migrates as 41-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TFPI
Alternative Name:	TFPI (TFPI Products)

Target Details

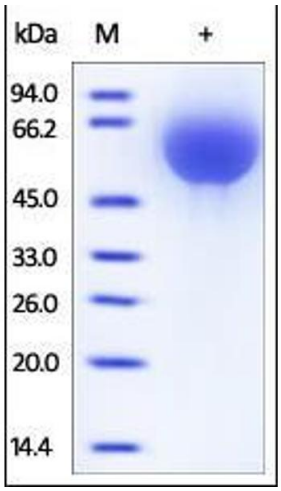
Background:	Tissue factor pathway inhibitor (TFPI) is also known as Extrinsic pathway inhibitor (EPI), Lipoprotein - associated coagulation inhibitor (LACI), is a plasma proteinase inhibitor synthesized by vascular endothelial cells and part of it is associated with glycosaminoglycans of these cells. TFPI is a single-chain polypeptide which can reversibly inhibit Factor Xa (Xa) and Thrombin (Factor IIa). TFPI is a secreted protein with a N-terminal acidic region, three Kunitz (K) domains separated with by two linker regions, and a C-terminal basic region. The first K domain inhibits coagulation factor VIIa complexed to tissue factor (TF), The second K domain inhibits factor Xa, The third K domain binds to heparin, The C-terminal basic region may have several functions. For example, it plays an important role in binding of TFPI to cell surfaces.
Molecular Weight:	30.0 kDa
NCBI Accession:	NP_006278

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).



SDS-PAGE

Image 1. Human TFPI, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.