

Non-biotinylated Human TFPI Protein, Ultra Low Endotoxin



Cat. No. TFP-HM401-UL

Description

Source	Recombinant Human TFPI Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Asp29-Lys282.
Accession	P10646-1
Molecular Weight	The protein has a predicted MW of 32.1 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

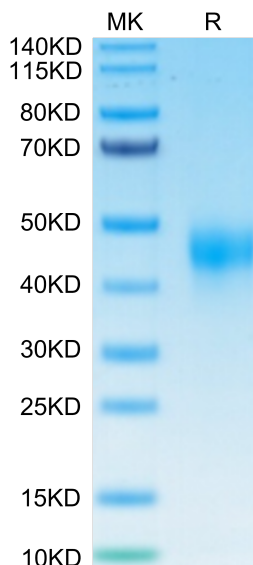
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Oestrogens influence the pathophysiology and development of hormone-sensitive cancers, such as breast cancer. Tissue factor pathway inhibitor (TFPI) is a serine protease inhibitor of the extrinsic coagulation pathway and has recently been associated with breast cancer cell development.

Assay Data

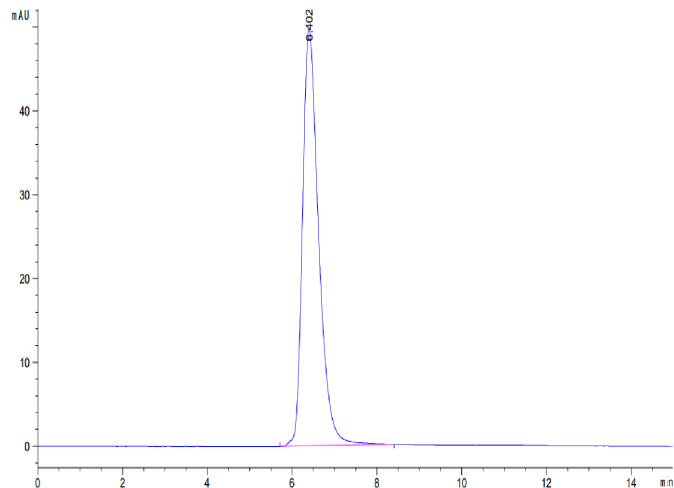
Bis-Tris PAGE



Human TFPI on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human TFPI is greater than 95% as determined by SEC-HPLC.

Bioactivity Data

Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, the IC50 value is < 0.75 nM.