

Biotinylated Human TFPI Protein

Cat. No. TFP-HM401B

Description

Source	Recombinant Biotinylated 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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

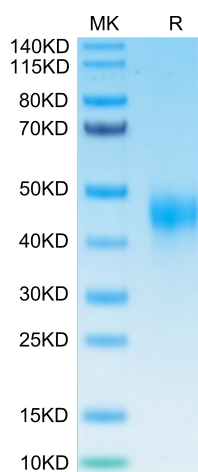
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days 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

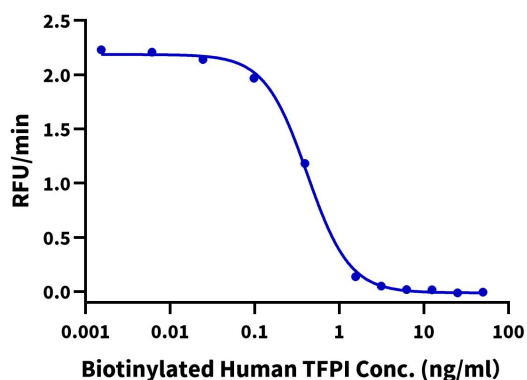
Tris-Bis PAGE



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

Bioactivity Data

Recombinant Biotinylated Human TFPI Activity



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