

# Human TFPI Protein

HA210003



<b>Product name:</b>	Human TFPI Protein
<b>Species reactivity:</b>	Human
<b>Protein construction description:</b>	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]
<b>Background:</b>	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.
<b>Purity:</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
<b>Endotoxin:</b>	Less than 1EU per µg by the LAL method.
<b>Source:</b>	HEK293
<b>Accession:</b>	P10646-1
<b>Predicted molecular mass:</b>	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.
<b>Formulation:</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution:</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage:</b>	-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.

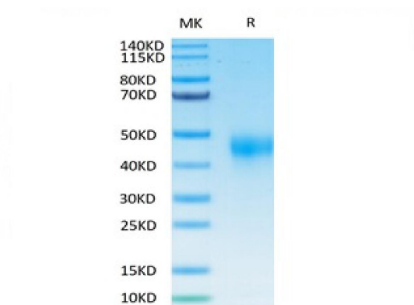
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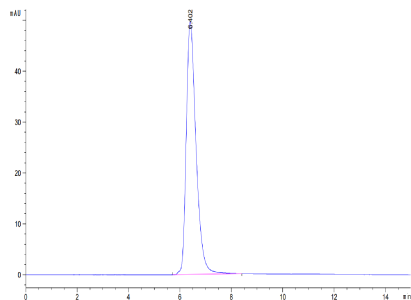
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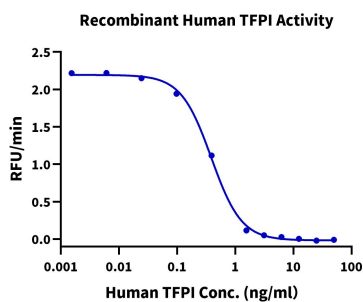
  
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**Fig1:** Recombinant Human TFPI Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



**Fig2:** The purity of Human TFPI is greater than 95% as determined by SEC-HPLC.



**Fig3:** Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, the IC50 value is < 0.75 nM.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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