

## Recombinant human TFPI protein, C-His-Avi (HEK293)

Catalog Number: bs-47202P

Concentration: >0.5 mg/ml

AA Seq: 29-282/304

Predicted MW: 32.1

Detected MW: Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.

Tags: C-His-Avi

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

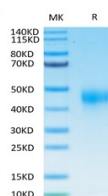
Form: Lyophilized

Storage: Lyophilized from 0.22μm filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

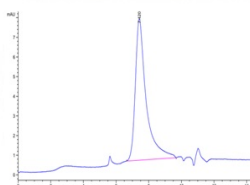
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** TFPI is 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. TFPI inhibits the activated factor X and VIIa-TF proteases in an autoregulatory loop. TFPI is glycosylated and predominantly found in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins.

### VALIDATION IMAGES



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



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