



Datasheet for ABIN7275700

Tissue factor Protein (AA 33-251) (His tag)



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3 Images

Overview

Quantity:	100 µg
Target:	Tissue factor (F3)
Protein Characteristics:	AA 33-251
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tissue factor protein is labelled with His tag.

Product Details

Purpose:	Human Coagulation Factor III/Tissue Factor Protein
Sequence:	Ser33-Glu251
Characteristics:	Recombinant Human Coagulation Factor III/Tissue Factor Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ser33-Glu251.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Coagulation Factor III, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-Coagulation Factor III Antibody, hFc Tag with the EC50 of 8.8ng/ml determined by ELISA. See testing image for detail.

Target Details

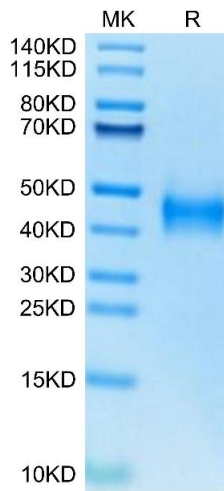
Target:	Tissue factor (F3)
Alternative Name:	Coagulation Factor III (F3 Products)
Background:	Tissue factor (also named Coagulation Factor III) is a cell surface glycoprotein responsible for initiating the extrinsic pathway of coagulation. Tissue factor is the primary cellular initiator of blood coagulation via interaction with coagulation factor VII. Aberrant expression of tissue factor is responsible for thrombosis during septic shock, atherosclerosis and cancer.
Molecular Weight:	25.89 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Pathways:	Positive Regulation of Endopeptidase Activity , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling

Application Details

Restrictions:	For Research Use only
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Handling

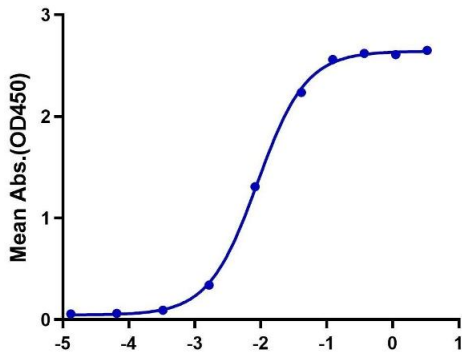
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human Coagulation Factor III on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

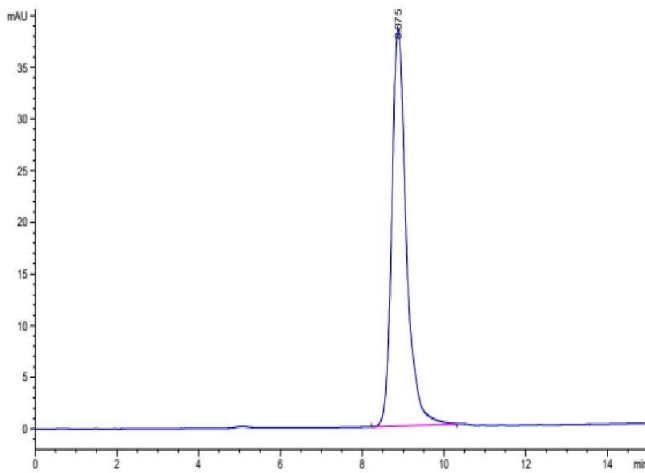
Human Coagulation Factor III, His Tag ELISA
0.2µg Human Coagulation Factor III, His Tag Per Well



Log Anti-Coagulation Factor III Antibody, hFc Tag Conc.(µg/ml)

ELISA

Image 2. Immobilized Human Coagulation Factor III, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Coagulation Factor III Antibody, hFc Tag with the EC50 of 8.8 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human Coagulation Factor III is greater than 95 % as determined by SEC-HPLC.