

Cynomolgus Coagulation factor III/Tissue Factor Protein, Ultra Low Endotoxin



Cat. No. TFR-CM103-UL

Description	
Source	Recombinant Cynomolgus Coagulation factor III/Tissue Factor Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gln34-Glu253.
Accession	A0A2K5VXA0
Molecular Weight	The protein has a predicted MW of 26.65 kDa. Due to glycosylation, the protein migrates to 43-53 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 0.22 µm filtered solution in 50mM Tris, 150mM NaCl (pH 7.5). 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	
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.	

Assay Data

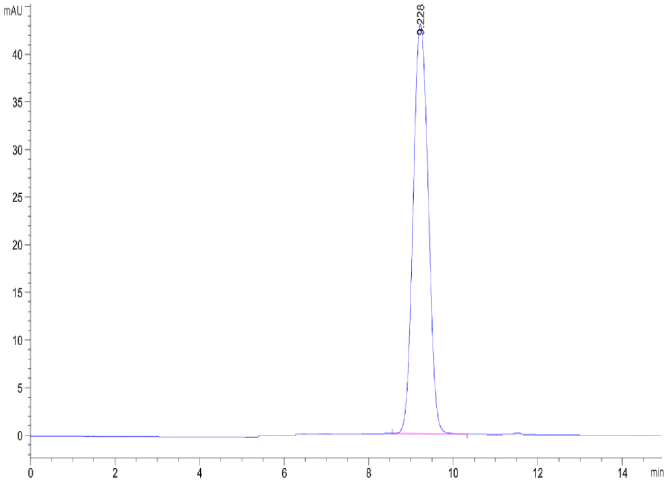
Bis-Tris PAGE



Cynomolgus Coagulation factor III on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Cynomolgus Coagulation factor III is greater than 95% as determined by SEC-HPLC.