

Datasheet for ABIN7275699

**Tissue factor Protein (AA 35-248) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Tissue factor (F3)
Protein Characteristics:	AA 35-248
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tissue factor protein is labelled with His tag.

## Product Details

Purpose:	Canine Coagulation Factor III/Tissue Factor Protein
Sequence:	Thr35-Glu248
Characteristics:	Recombinant Canine Coagulation Factor III/Tissue Factor Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr35-Glu248.
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.

## Target Details

Target:	Tissue factor (F3)
Alternative Name:	Coagulation Factor III ( <a href="#">F3 Products</a> )

## Target Details

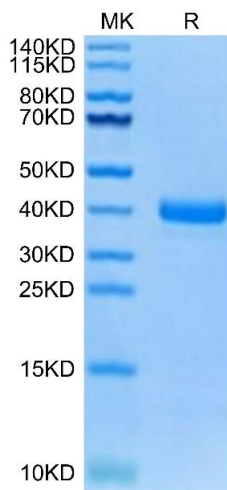
Background:	Tissue factor (also named Coagulation Factor III) is a cell surface glycoprotein responsible for initiating the extrinsic pathway of coagulation. Tissue factor is the primary cellular initiator of blood coagulation via interaction with coagulation factor VII. Aberrant expression of tissue factor is responsible for thrombosis during septic shock, atherosclerosis and cancer.
Molecular Weight:	25.41 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q4W6L5</a>
Pathways:	<a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a>

## Application Details

Restrictions:	For Research Use only
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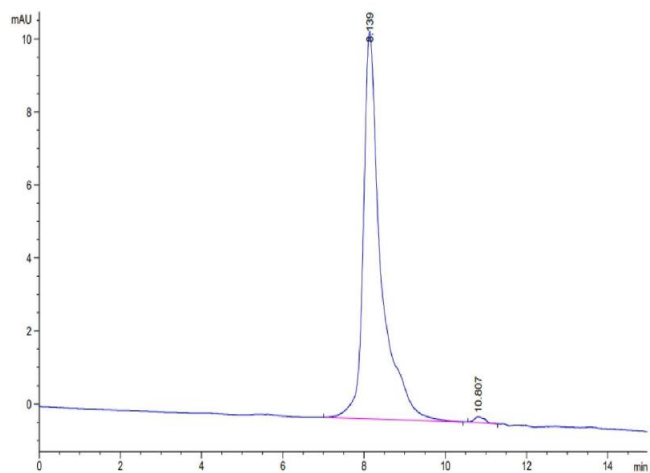
## Handling

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.** Canine Coagulation Factor III on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Canine Coagulation Factor III is greater than 95 % as determined by SEC-HPLC.