

Human Coagulation factor III/Tissue Factor Protein

Cat. No. TFR-HM203

KACATUS

Description

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Source | Recombinant Human Coagulation factor III/Tissue Factor Protein is expressed from HEK293 with hFc tag at the C-terminus. |
| | It contains Ser33-Glu251. |
| Accession | P13726-1 |
| Molecular Weight | The protein has a predicted MW of 50.74 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 0.1 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

Formulation and Storage

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation | Supplied as 0.22 µm filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. 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.

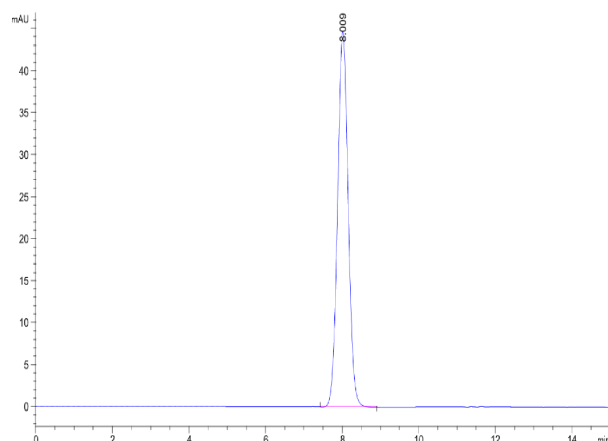
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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