Recombinant Rat Tissue factor/TF protein (His tag)

Catalog Number:PDMR100023

Note: Centrifuge before opening to ensure complete recovery of vial contents.

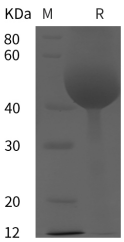
Description

Synonyms	Tissue factor;TF;Coagulation factor III;CD antigen CD142;F3;Cf3
Species	Rat
Expression Host	HEK293 Cells
Sequence	Met1-Glu252
Accession	P42533
Calculated Molecular Weight	27.6 kDa
Observed molecular weight	49 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Coagulation Factor III/Tissue Factor (TF), also known as thromboplastin and CD142, is an integral membrane protein found in a variety of cell types. It functions as a protein cofactor/receptor of Coagulation Factor VII, which is synthesized in the liver and circulated in the plasma. Upon binding of TF, the inactive factor VII is rapidly converted into activated VIIa. The resulting 1:1 complex of VIIa and TF initiates the coagulation pathway and has also important coagulation-independent functions such as angiognesis. Synthesized as a 294 amino acid precursor, mouse TF consists of a signal peptide (residues 1 to 28) and the mature chain (residues 29 to 294). As a type I membrane protein, it contains a transmembrane region (residues 252 to 274) and a cytoplasmic tail (residues 275 to 294).

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