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Recombinant Mouse Tissue Factor/TF Protein

Catalog No.: RP03550 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	14066	P20352

Tags
C-His

Synonyms
F3; Cf-3; Cf3;Tissue factor; TF; Coagulation factor III; CD142

Product Information

Source	Purification
Mammalian	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
26.2 KDa	35-42 KDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 0.05% Brij35, pH 7.5.

Reconstitution
Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Contact

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Background

Tissue Factor/TF, also known as coagulation factor III, F3, and CD142, is a single-pass type I membrane protein which belongs to the tissue factor family. Tissue factor is one of the proteins that participate in hemostatic and inflammatory processes. Activated monocytes present in the liver increase expression of tissue factor, and while accumulating in the organ they can intensify inflammation. Tissue factor is the protein that activates the blood clotting system by binding to, and activating, the plasma serine protease, factor VIIa, following vascular injury. Tissue factor is not only the main physiological initiator of normal blood coagulation, but is also important in the natural history of solid malignancies in that it potentiates metastasis and angiogenesis and mediates outside-in signalling.

Basic Information

Description
Recombinant Mouse Tissue Factor/TF Protein is produced by Mammalian Cells system. The target protein is expressed with sequence (Ala29-Glu251) of Mouse Tissue Factor/TF(Accession #NP_034301.3) fused with His tag at the C-Terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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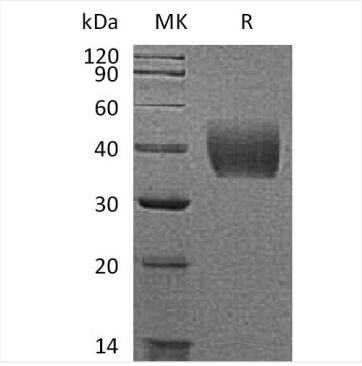
Validation Data



Recombinant Mouse Tissue Factor/TF Protein was determined by reducing SDS-PAGE.

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