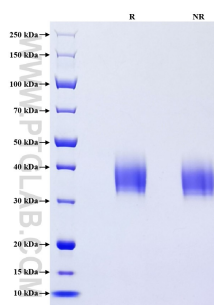


Recombinant Mouse Tissue Factor protein (His Tag)

Catalog Number: Eg1102

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse Tissue Factor protein Ala29-Glu251 (Accession# P20352) with a His tag at the C-terminus.</p> <p>GeneID: 14066</p> <p>Accession: P20352</p> <p>Predicted Molecular Mass: 26.5 kDa</p> <p>SDS-PAGE: 30-40 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Tissue factor (TF), also named coagulation factor III or F3, is a transmembrane protein that functions as a high-affinity receptor for factor (F)VII and FVIIa. The TF-FVIIa complex is the primary initiator of blood coagulation and plays an essential role in hemostasis. TF is expressed on perivascular cells and epithelial cells at organ and body surfaces where it forms a hemostatic barrier. TF also provides additional hemostatic protection to vital organs, such as the brain, lung, and heart. Under pathological conditions, TF can trigger both arterial and venous thrombosis.</p>		
References	<ol style="list-style-type: none">1. Grover SP. et al. (2018). Arterioscler Thromb Vasc Biol. 38(4):709-725.2. Mackman N. et al. (2007). Arterioscler Thromb Vasc Biol. 27:1687-1693.3. Rao LV. et al. (2012). J Thromb Haemost. 10:2242-2253.4. Witkowski M. et al. (2016). Trends Cardiovasc Med. 26(4):297-303.		
Synonyms	CD142, Coagulation factor III, F3, TF, TFA		

Selected Validation Data



Purity of Recombinant Mouse Tissue Factor was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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