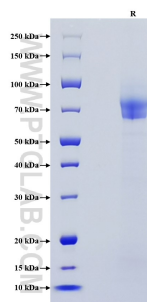


Recombinant Human Thrombomodulin protein (His Tag)

Catalog Number: Eg0944

Basic Information	Species: Human	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 Human Thrombomodulin protein Ala19-Ser515 (Accession# P07204) with a His tag at the C-terminus.</p> <p>GeneID: 7056</p> <p>Accession: P07204</p> <p>Predicted Molecular Mass: 52.9 kDa</p> <p>SDS-PAGE: 70-100 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>Thrombomodulin, also known as CD141, is an endothelial cell surface glycoprotein that forms a 1:1 complex with the coagulation factor thrombin and plays an important role as a natural anticoagulant. Thrombomodulin serves to convert thrombin from a procoagulant protein into the activator for protein C. Once converted to activated protein C (APC), this protein serves as a major anticoagulant in blood. Thrombomodulin is also located in other cells (keratinocytes, osteoblasts, macrophages,...) where it might be involved in cell differentiation or in inflammation. Mutations in the gene of thrombomodulin are a cause of thromboembolic disease, also known as inherited thrombophilia.</p>		
References	<ol style="list-style-type: none">1. N L Esmon, et al. (1987) Semin Thromb Hemost. 13(4):454-63.2. A K Ohlin, et al. (1997) Thromb Haemost. 78(1):396-400.3. M C Boffa, et al. (1998) Lupus. 7 Suppl 2:S120-5.4. Georgia Anastasiou, et al. (2012) Blood Coagul Fibrinolysis. 23(1):1-10.		
Synonyms	THBD, Thrombomodulin, CD141, Fetomodulin, THRM		

Selected Validation Data



Purity of Recombinant Human Thrombomodulin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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