Recombinant Human Thrombomodulin/CD141 Protein

Catalog No.: RP03213LQ

Sequence Information

Species
Human

Gene ID
7056

Swiss Prot
P07204

Tags
C-His

Synonyms
Thrombomodulin; THBD; TM; Fetomodulin; CD141; THRM

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
52.9 KDa

Observed MW
72 KDa

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

Formulation
Supplied as a 0.22 μm filtered solution in 20mM Tris-HCl, 150mM NaCl, pH 8.0. Contact us for customized product form or formulation.

Reconstitution

Background

Thrombomodulin is a specific endothelial cell receptor that forms a 1:1 stoichiometric complex with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Human Thrombomodulin/THBD predicts a signal peptide and a mature chain that consists of following domains: C-type lectin, EGF-like, transmembrane and cytoplasmic. Predominantly synthesized by vascular endothelial cells, THBD inhibits coagulation and fibrinolysis. THBD gene polymorphisims are associated with human disease and THBD plays a role in thrombosis, stroke, arteriosclerosis, and cancer. For example, increased serum levels of THBD, due to protease cleavage, have been associated with smoking, cardiac surgery, atherosclerosis, liver cirrhosis, diabetes mellitus, cerebral and myocardial infarction, and multiple sclerosis.

Basic Information

Description
Recombinant Human Thrombomodulin/CD141 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala19-Ser515) of human Thrombomodulin (Accession #NP_000352.1) fused with His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

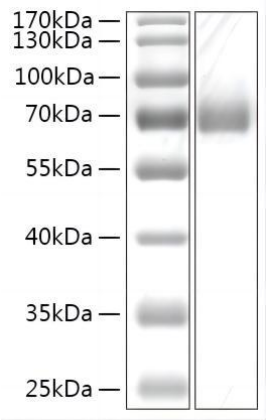
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human Thrombomodulin/CD141 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.