

Recombinant Human THBD Protein, His-tagged

Cat. No. THBD-423H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human THBD Protein (Ala19-Ala509) with N-His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Ala19-Ala509
Description	The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.2 kDa Accurate Molecular Mass: 85 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

THBD thrombomodulin [Homo sapiens (human)]

Official Symbol

THBD

Synonyms

THBD; thrombomodulin; TM; THRM; AHUS6; BDCA3; CD141; BDCA-3; THPH12; thrombomodulin; CD141 antigen; fetomodulin

Gene ID

7056

mRNA Refseq

NM_000361

Protein Refseq

NP_000352

MIM

188040

UniProt ID

P07204

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