

Recombinant Human THBD protein, His & T7-tagged

Cat. No. THBD-2744H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human THBD aa. (Val31~Phe169 (Accession # P07204)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val31~Phe169
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: 18.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.3.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	THBD thrombomodulin [Homo sapiens (human)]
Official Symbol	THBD
Synonyms	TM; THRM; AHUS6; BDCA3; CD141; THPH12; CD141 antigen; fetomodulin; thrombomodulin
Gene ID	7056
mRNA Refseq	NM_000361.2
Protein Refseq	NP_000352.1
UniProt ID	P07204

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