

Active Recombinant Human Thrombomodulin, His-tagged

Cat. No. THBD-2602H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human THBD (Ala19Ser515) fused with a Cterminal and 6His tag, was expressed in Mouse NSO Cells.
Source	Mammalian Cells
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.
Molecular Mass	53 kDa
Predicted N terminal	Ala19
Formulation	Supplied as a 0.2 µm filtered solution in Tris and NaCl.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Activity	Measured by its ability to mediate thrombin activation of protein C. The specific activity is >50 pmol/min/g, as measured under the described conditions.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Storage	6 months from date of receipt, 20 to 70 °C as supplied. Avoid repeated freeze-thaw

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cycles.

OfficialSymbol THBD

GENE INFORMATION

Gene Name THBD thrombomodulin [Homo sapiens]

Synonyms THBD; thrombomodulin; TM; THRM; AHUS6; CD141; fetomodulin; CD141 antigen

Gene ID 7056

mRNA Refseq NM_000361

Protein Refseq NP_000352

MIM 188040

UniProt ID P07204

Chromosome Location 20p11.2

Pathway Complement and coagulation cascades; Hemostasis

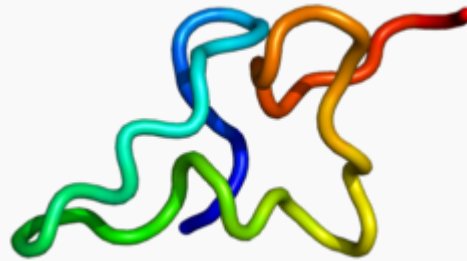
Function calcium ion binding; protein binding; receptor activity; transmembrane receptor activity

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