

Recombinant Human Thrombomodulin

Cat. No. THBD-2601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human thrombomodulin purified from a <i>Chinese Hamster Ovary (CHO)</i> cell line, employing reverse phase, ion exchange chromatography and sizing columns.
Species	Human
Source	CHO
Description	Thrombomodulin, CD141 or BDCA-3 is an integral membrane protein expressed on the surface of endothelial cells. In humans, thrombomodulin is encoded by the THBD gene. The protein has a molecular mass of 74kDa, and consists of a single chain with 5 distinct domains.
Molecular Mass	68 kDa.
Presentation	Clear glass vial containing 10 µg of recombinant human thrombomodulin, lyophilized from a 100 µg/mL solution in 50 mM TRIS 0.1M NaCl pH 7.4, with 0.2M Mannitol added. Protein concentration determined using an extinction coefficient, $\epsilon_{1\%, 280\text{ nm}} = 0.88$.
Storage	Add 100 µL of filtered deionized water to the vial. Store lyophilized protein at 2-8°C. Reconstituted protein should be aliquoted in plastic tubes and stored frozen at -20°C. Avoid freeze thaw cycles.

GENE INFORMATION

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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
PDB rendering based on 1adx.	