

Product datasheet for **TP723443**

Thrombomodulin (THBD) (NM_000361) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human thrombomodulin (THBD).
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	APAEPQPGGS QCVEHDCFAL YPGPATFLNA SQICDGLRGH LMTVRSSVAA DVISLLLNKD GGVGRRLWI GLQLPPGCGD PKRLGPLRGF QWVTGDNNTS YSRWARLDLN GAPLCGPLCV AVSAAEATVP SEPIWEEQQC EVKADGFLCE FHPATCRPL AVEPGAAAAA VSITYGTPFA ARGADFQALP VGSSAAVAPL GLQLMCTAPP GAVQGHWARE APGAWDCSVE NGGCEHACNA IPGAPRCQCP AGAALQADGR SCTASATQSC NDLCEHFCVP NPDQPGSYSC MCETGYRLAA DQHRCEDVDD CILEPSPCPQ RCVNTQGGFE CHCYPNYDLV DGECVEPVDP CFRANCEYQC QPLNQTSYLC VCAEGFAPIP HEPHRCQMFC NQTACPADCD PNTQASCECP EGYILDDGFI CTDIDECENG GFCSGVCHNL PGTFECICGP DSALARHIGT DCDSGKVDGG DSGSGEPPPS PTPGSTLTTP A
Tag:	Tag Free
Predicted MW:	51 kDa
Concentration:	N/A
Purity:	>98% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 10 mM phosphate buffer, pH 7.5
Bioactivity:	Measured by its ability to activate protein C induced cleavage of the chromogenic substrate, BOC-Asp-Pro Arg-AMC in the presence of thrombin. The specific activity is greater than 500 pmoles/min/ug.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000352
Locus ID:	7056



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UniProt ID: [P07204](#)

RefSeq Size: 4048

Cytogenetics: 20p11.21

RefSeq ORF: 1725

Synonyms: AHUS6; BDCA-3; BDCA3; CD141; THPH12; THRM; TM

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Complement and coagulation cascades