

Product datasheet for **TP727778**

Thrombomodulin (THBD) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Thrombomodulin/BDCA-3/CD141 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala19-Ser515
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Note:	Recombinant Human Thrombomodulin is produced by our Mammalian expression system and the target gene encoding Ala19-Ser515 is expressed with a 6His tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	7056
UniProt ID:	P07204
Synonyms:	Thrombomodulin; THBD; TM; Fetomodulin; CD141; THRM
Summary:	Thrombomodulin is a specific endothelial cell receptor that forms a 1:1 stoichiometric complex with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Human Thrombomodulin/THBD predicts a signal peptide and a mature chain that consists of following domains: C-type lectin, EGF-like, transmembrane and cytoplasmic. Predominantly synthesized by vascular endothelial cells, THBD inhibits coagulation and fibrinolysis. THBD gene polymorphisms are associated with human disease and THBD plays a role in thrombosis, stroke, arteriosclerosis, and cancer. For example, increased serum levels of THBD, due to protease cleavage, have been associated with smoking, cardiac surgery, atherosclerosis, liver cirrhosis, diabetes mellitus, cerebral and myocardial infarction, and multiple sclerosis.
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Complement and coagulation cascades



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