9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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THBD Human

Thrombomodulin Human Recombinant
NTP0051

Product Overview

Name	THBD Human
Description	
Thrombomodulin Human Recombinant	
Accession (Primary)	P07204
Synonyms	
THBD, Thrombomodulin, TM, Fetomodulin, CD141, CD141 antigen, THRM, BDCA-3, BDCA3, blood dendritic cell antigen 3, AHUS6, THPH12.	
Introduction	
Thrombomodulin, also referred to THBD, is an endothelial cell-expressed, transmembrane glycoprotein that can form a complex with the coagulation factor, thrombin. This complex increasethe activation of protein C in the anticoagulant pathway by forming a 1:1 stoichiometric complex with thrombin. Thrombomodulinbound thrombin has procoagulant effect at the same time by inhibiting fibrinolysis by cleaving thrombinactivatable fibrinolysis inhibitor (TAFI) into its active form. Reduced levels of thrombomodulin or increased serum levels of THBD can correlate with pathogenesis of certain cardiovascular diseases, such as atherosclerosis and thrombosis. Furthermore, it associated with, diabetes mellitus, liver cirrhosis, cerebral & myocardial infarction, and multiple sclerosis.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
THBD protein solution (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
EPQPGGSQCV EHDCFALYPG PATFLNASQI CDGLRGHLMT VRSSVAADVI SLLLNGDGGV GRRRLWIGLQ	

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LPPGCGDPKR LGPLRGFQWV TGDNNTSYSR WARLDLNGAP LCGPLCVAVS AAEATVPSEP IWEEQQCEVK ADGFLCEFHF PATCRPLAVE PGAAAAAVSI TYGTPFAARG ADFQALPVGS SAAVAPLGLQ LMCTAPPGAV QGHWAREAPG AWDCSVENGG CEHACNAIPG APRCQCPAGA ALQADGRSCT ASATQSCNDL CEHFCVPNPD QPGSYSCMCE TGYRLAADQH RCEDVDDCIL EPSPCPQRCV NTQGGFECHC YPNYDLVDGE CVEPVDPCFR ANCEYQCQPL NQTSYLCVCA EGFAPIPHEP HRCQMFCNQT ACPADCDPNT QASCECPEGY ILDDGFICTD IDECENGGFC SGVCHNLPGT FECICGPDSA LARHIGTDCD SGKVDGGDSG SGEPPPSPTP GSTLTPPAVG LVHS HHHHHH

Precautions

THBD Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07204)