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32-13806: THBD Human

Format :	THBD protein solution (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.
Alternative Name :	THBD, Thrombomodulin, TM, Fetomodulin, CD141, CD141 antigen, THRM, BDCA-3, BDCA3, blood dendritic cell antigen 3, AHUS6, THPH12.

Description

Source:Sf9, Baculovirus cells.
Physical Appearance:Sterile Filtered colorless solution.
Biological Activitynull
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.
THBD Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 500 amino acids (22-515a.a) and having a molecular mass of 52.6kDa.THBD is fused to an 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 2 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Storage condition :	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.
Amino Acid :	EPQPGGSQCV EHDCFALYPG PATFLNASQI CDGLRGHLMT VRSSVAADVI SLLLNGDGGV GRRRLWIGLQ LPPGCGDPKR LGPLRGFQWV TGDNNTSYSR WARLDLNGAP LCGPLCVAVS AAEATVPSEP IWEEQQCEVK ADGFLCEFHF PATCRPLAVE PGAAAAAVSI TYGTPFAARG ADFQALPVGS SAAVAPLGLQ LMCTAPPGAV QGHWAREAPG AWDCSVENGG CEHACNAIPGAPRCQCPAGA ALQADGRSCT ASATQSCNDL CEHFCVPNPD QPGSYSCMCE TGYRLAADQH RCEDVDDCIL EPSPCPQRCV NTQGGFECHC YPNYDLVDGE CVEPVDPCFR ANCEYQCQPL NQTSYLCVCA EGFAPIPHEP HRCQMFCNQT ACPADCDPNT QASCECPEGY ILDDGFICTD IDECENGGFC SGVCHNLPGT FECICGPDSA LARHIGTDCD SGKVDGGDSG SGEPPPSPTPGSTLTPPAVG LVHSHHHHHH

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