

Datasheet for ABIN7596453

## Thrombomodulin Protein (THBD) (AA 22-515) (His tag)



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### Overview

Quantity:	500 µg
Target:	Thrombomodulin (THBD)
Protein Characteristics:	AA 22-515
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Thrombomodulin protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

### Product Details

Sequence:	<p>EPQPGGSQCV EHDCAFALYPG PATFLNASQI CDGLRGHLMT VRSSVAADVI SLLNGDGGV</p> <p>GRRRLWIGLQ LPPGCGDPKR LGPLRGFQWV TGDNNTSYSR WARLDLNGAP LCGPLCVAVS</p> <p>AAEATVPSEP IWEEQQCEVK ADGFLCEFHF PATCRPLAVE PGAAAAAVSI TYGTPFAARG</p> <p>ADFQALPVGS SAAVAPLGLQ LMCTAPPGAV QGHWAREAPG AWDCSVENGG CEHACNAIPG</p> <p>APRCQCPAGA ALQADGRSCT ASATQSCNDL CEHFCVPNPD QPGSYSCMCE TGYRLAADQH</p> <p>RCEDVDDCIL EPSPCPQRCV NTQGGFECHC YPNYDLVDGE CVEPVDPCFR ANCEYQCQPL</p> <p>NQTSYLCVCA EGFAPIPHEP HRCQMFCNQT ACPADCDPNT QASCECEGY ILDDGFICTD</p> <p>IDECENGGFC SGVCHNLPGT FECICGPDSA LARHIGTD CD SGKVDGGDSG SGEPPPSPTP</p> <p>GSTLTTPPAVG LVHS</p>
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

## Target Details

Target:	Thrombomodulin (THBD)
Alternative Name:	Thrombomodulin/BDCA-3 ( <a href="#">THBD Products</a> )
Background:	<p>Thrombomodulin, also known as CD141 or BDCA-3, is an endothelial cell-expressed, transmembrane glycoprotein that can form a complex with the coagulation factor, thrombin. This complex induce activation of protein C in the anticoagulant pathway by forming a 1:1 stoichiometric complex with thrombin. Thrombomodulin-bound thrombin has procoagulant effect at the same time by inhibiting fibrinolysis by cleaving thrombin-activatable 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. In addition, It associated with liver cirrhosis, diabetes mellitus, cerebral and myocardial infarction, and multiple sclerosis. Recombinant human Thrombomodulin, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	52.6kDa(500aa)
NCBI Accession:	<a href="#">NP_000352</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.