



[Go to Product page](#)

Datasheet for ABIN7198229

## Thrombomodulin Protein (THBD) (His tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	Thrombomodulin (THBD)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Thrombomodulin protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Rat Thrombomodulin Protein (His Tag)
Sequence:	Met1-Ser517
Characteristics:	A DNA sequence encoding the rat THBD (O35370) (Met1-Ser517) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

#### Target Details

Target:	Thrombomodulin (THBD)
Alternative Name:	Thrombomodulin ( <a href="#">THBD Products</a> )
Background:	Background: Thrombomodulin, also known as THBD(CD141), is an integral membrane protein which reduces blood coagulation by converting thrombin to an anticoagulant enzyme from a procoagulant enzyme. Thrombomodulin is expressed on the surface of endothelial cells and

## Target Details

---

serves as a cofactor for thrombin. It is also expressed on human mesothelial cell, monocyte and a dendritic cell subset. Thrombomodulin functions as a cofactor in the thrombin-induced activation of protein C in the anticoagulant pathway by forming a 1:1 stoichiometric complex with thrombin. Thrombomodulin also regulates C3b inactivation by factor I. Mutations in the thrombomodulin gene have also been reported to be associated with atypical hemolytic-uremic syndrome.

Synonym: THBD

---

Molecular Weight: 55.2 kDa

---

UniProt: [O35370](#)

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

---

Reconstitution: Please refer to the printed manual for detailed information.

---

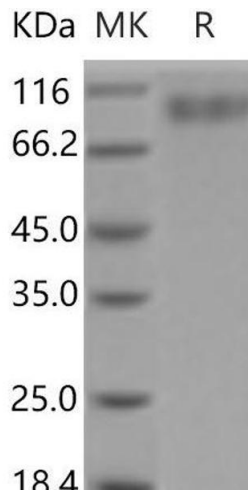
Buffer: Lyophilized from sterile PBS, pH 7.4

---

Storage: 4 °C, -20 °C, -80 °C

---

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



**Western Blotting**

**Image 1.**