

# Recombinant Rabbit THBD Protein, His-tagged

**Cat. No.** THBD-424R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rabbit THBD Protein (Ser66-Pro197) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Ser66-Pro197                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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). Once evolved, protein Ca scissions the activated cofactors of the coagulation mechanism, factor Va and factor VIIIa, and thereby reduces the amount of thrombin generated. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 10.7 kDa                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 97%                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for                                                                                                                                                                                                                 |

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

THBD thrombomodulin [ *Oryctolagus cuniculus* (rabbit) ]

**Official Symbol**

THBD

**Synonyms**

THBD; thrombomodulin; TM; THRM; AHUS6; BDCA3; CD141; BDCA-3; THPH12; thrombomodulin; CD141 antigen; fetomodulin

**Gene ID**

100008887

**mRNA Refseq**

NM\_001082144

**Protein Refseq**

NP\_001075613

**UniProt ID**

Q8HZ48

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