

Datasheet for ABIN7320290  
**THSD1 Protein (His tag)**



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1 Image

Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg                                       |
| Target:                       | THSD1  |
| Origin:                       | Mouse  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This THSD1 protein is labelled with His tag. |

Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Mouse THSD1/TMTSP Protein (His Tag)   |
| Sequence:        | Met 1-Asn 412   |
| Characteristics: | A DNA sequence encoding the extracellular domain of mouse THSD1 (NP_062522.1) (Met 1-Asn 412) was expressed, with a C-terminal polyhistidine tag. |
| Purity:          | > 95 % as determined by SDS-PAGE  |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method.   |

Target Details

|                   |  |
|-------------------|--|
| Target:           | THSD1  |
| Alternative Name: | THSD1/TMTSP ( <a href="#">THSD1 Products</a> )   |
| Background:       | Background: Thrombospondin type-1 domain-containing protein 1, also known as transmembrane molecule with thrombospondin module, THSD1 and TMTSP, is a single-pass type I membrane protein which contains one TSP type-1 domain. THSD1 is a multi-domain, |

## Target Details

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multi-functional glycoprotein synthesized by many cells. Matricellular THSD1 modulates cell adhesion and proliferation. It is involved in angiogenesis, inflammation, wound healing and cancer. In vitro, nanomolar concentrations of Thrombospondin-1 are required to alter endothelial and vascular smooth muscle cell adhesion, proliferation, motility, and survival. As a major platelet protein, for a long time it was postulated to control hemostasis via platelet aggregate stabilization. THSD1 is a potent angiogenesis inhibitor, and down-regulation of THSD1 has been suggested to alter tumor growth by modulating angiogenesis in a variety of tumor types.

Synonym: 4833423018Rik,Tmtsp

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Molecular Weight: 45 kDa

NCBI Accession: [NP\\_062522](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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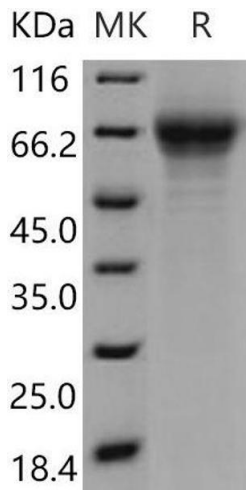
Format: Lyophilized

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.**