

Recombinant Mouse Thbs1 protein, His-tagged

Cat. No. Thbs1-2659M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Thbs1 aa. (Arg515~Asp671 (Accession # P35441)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Arg515~Asp671
Description	The protein encoded by this gene is a subunit of a disulfide-linked homotrimeric protein. This protein is an adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. This protein can bind to fibrinogen, fibronectin, laminin, type V collagen and integrins alpha-V/beta-1. This protein has been shown to play roles in platelet aggregation, angiogenesis, and tumorigenesis. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.8.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	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°C for 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.

GENE INFORMATION

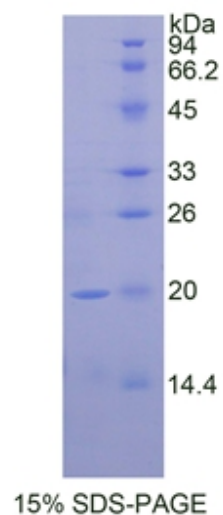
Gene Name	Thbs1 thrombospondin 1 [Mus musculus (house mouse)]
Official Symbol	Thbs1
Synonyms	Thbs1; thrombospondin 1; TSP1; TSP-1; tbsp1; Thbs-1
Gene ID	21825
mRNA Refseq	NM_001313914.1
Protein Refseq	NP_001300843.1
UniProt ID	P35441

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SDS-PAGE



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