

Recombinant Human THBS1 protein, His-tagged

Cat. No. THBS1-2657H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human THBS1 aa. (Ser24~Thr221) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser24~Thr221
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.
Form	Freeze-dried powder
Molecular Mass	23kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.8.

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Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	THBS1 thrombospondin 1 [Homo sapiens (human)]
Official Symbol	THBS1
Synonyms	THBS1; thrombospondin 1; TSP; THBS; TSP1; TSP-1; THBS-1; thrombospondin-1; thrombospondin-1p180; thrombospondin-p50
Gene ID	7057
mRNA Refseq	NM_003246.3
Protein Refseq	NP_003237.2

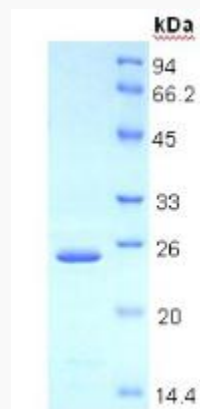
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UniProt ID P07996

SDS-PAGE



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