

Thrombospondin-1 Recombinant Protein | TSP-1 recombinant protein

Human Thrombospondin-1 Recombinant

CATALOG #	HOST
AAA76099	Insect Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

Thrombospondin-1; Human Thrombospondin-1 Recombinant; thrmbspondin; THBS1; tsp; TSP-1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Insect Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>90%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Thrombospondin-1 is lyophilized from PBS pH 7.4.
Host Note	Optimized DNA sequence encoding Human Thrombospondin mature chain was expressed in insect cells.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Molecular Weight Note	Native human Thrombospondin, generated by the proteolytic removal of the signal peptide and propeptide, and has a calculated molecular mass of approximately 128 kDa. Recombinant human TSP is a disulfide-linked monomer protein consisting of 1152 amino acid residue subunits, and migrates due to glycosylation as an approximately 140 kDa protein under non-reducing and reducing conditions in SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8°C for one month, or -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/ thaw cycles.

ADDITIONAL INFORMATION

Product Categories/Family for TSP-1 recombinant protein	Cytokines
References	- regulation of Thrombospondin-1 by natural and synthetic progestins in human breast cancer cells .<i>Endocr. Relat. Cancer</i>, Sep 2009; 16: 809 - 817. <i>sjögren's syndrome-like ocular surface disease in Thrombospondin-1 deficient mice</i> .<i>Am. J. Pathol.</i>, Sep 2009; 175: 1136 - 1147. - interactions among stalk modules of Thrombospondin-1 .<i>J. Biol. Chem.</i>, Aug 2009; 10.1074/jbc.M109.035089. - interactions among the epidermal growth factor-like modules of Thrombospondin-1 .<i>J. Biol. Chem.</i>, Aug 2009; 284: 22206 - 22212. Thrombospondin-1 is a transcriptional repression target of <i>prmt6</i> .<i>J. Biol. Chem.</i>, Aug 2009; 284: 21338 - 21346.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40317626
NCBI GeneID	7057
NCBI Accession #	NP_003237.2
NCBI GenBank Nucleotide #	NM_003246.2
UniProt Accession #	P07996; Q15667; A8K6H4; B9EGH6; Q59E99; Q7KYY3

NCBI Official Full Name	thrombospondin-1
UniProt Protein Name	Thrombospondin-1
UniProt Gene Name	THBS1
UniProt Synonym Gene Names	TSP; TSP1
UniProt Entry Name	TSP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/thbs1-recombinant-protein-insect/76099>