

Recombinant Human THBS1 Protein

Cat. No. THBS1-51H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human THBS1 Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	19-600aa
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	Liquid. In 50 mM NaH ₂ PO ₄ , 300mM NaCl, pH 8.0.
Molecular Mass	~63.5 kDa
AA Sequence	NRIPESGGDNSVFDIFELTGAARKGSGRRLVKGPDPSSPAFRIEDANLIPPVPDDKF QDLVDAVRAEKGFLLLASLRQMKKTRGTLLALERKDHSGQVFSVVSNGKAGTLDLS LTVQGKQHVVSVEEALLATGQWKSITLFVQEDRAQLYIDCEKMENAEADVPIQSVFT RDLASIALRLIAKGGVNDNFQGV LQNVRFVFGTTPEDILRNKGCSSSTSLLTLDNNV VNGSSPAIRTNYIGHKTKDLQAICGISCELSSMVLELRGLRTIVTTLQDSIRKVTEEN KELANELRRPPLCYHNGVQYRNNEEWTVDSCTECHCQNSVTICKKVSCPIMPSCSNA TVPDGECCPRCWPSDSADDGWSPWSEWTSCSTSCGNGIQQRGRSCDSLNNRCE

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GSSVQTRTCHIQECDKRFKQDGGWSHWSPWSSCSVTCGDGVITRIRLCNSPSPQM
 NGKPCEGEARETKACKKDACPINGGWGPWSPWDICSVTCGGGVQKRSRLCENNPT
 PQFGGKDCVGDVTENQICNKQDCPIDGCLSNPCFAGVKCTSYPDGSWKCGACPPG
 YSGNGIQCTDVDECKEVPDACF

Purity >90%

Storage Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.

Concentration 0.6 mg/ml

Official Full Name Thrombospondin 1

GENE INFORMATION

Gene Name THBS1 thrombospondin 1 [Homo sapiens (human)]

Official Symbol THBS1

Synonyms TSP; THBS; TSP1; TSP-1; THBS-1

Gene ID 7057

mRNA Refseq NM_003246

Protein Refseq NP_003237

MIM 188060

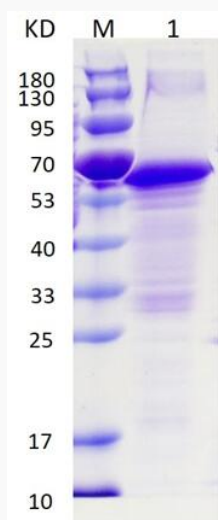
UniProt ID P07996

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SDS-PAGE



12% SDS-PAGE analysis profiles of purified P07996-THBS1(19-600aa) (CBB stained).

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