

Recombinant Full Length Human THBS1 Protein, C-Flag-tagged

Cat. No. THBS1-60HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human THBS1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	127.4 kDa
AA Sequence	MGLAWGLGVFLMHVCGTNRIPESGGDNSVFDIFELTGAARKGSGRRLVKGPDPSS PAFRIEDANLIPPV PDDKFQDLVDAVRAEKGFLLLASLRQMKKTRGTLALERKDHS GQVFSVVSNGKAGTLDLSLTVQGKQHV VSVEEALLATGQWKSITLFVQEDRAQLYI DCEKMENAELDVPIQSVFTRDLASIALRLRIAKGGVNDNFQG VLQNVRFVFGTTPEDI LRNKGCSSTSVLLTLDNNVVNGSSPAIRTNYYIGHKTKDLQAICGISCDELSSM VLEL RGLRTIVTTLQDSIRKVTEENKELANELRRPPLCYHNGVQYRNNEEWTVDSCTECH CQNSVTICKK VSCPIMPSCSNATVPDGECCPRCWPSDSADDGWSPWSEWTSCSTS

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CGNGIQQRGRSCDSLNNRCEGSSVQT RTCHIQECDKRFKQDGGWSHWSPWSSC
SVTCGDGVITRIRLCNSPSPQMNGKPCEGEARETKACKKDACP INGGWGPWSPW
DICSVTCGGGVQKRSRLCNNPTPQFGGKDCVGDVTENQICNKQDCPIDGCLSNPCF
AGV KCTSYPDGSWKCGACPPGYSGNGIQCTDVDECKEVPDACFNHNGEHRCENT
DPGYNCLPCPPRFTGSQPF GQGVESHATANKQVCKPRNPCTDGTDCNKNACNY
LGHYSDPMYRCECKPGYAGNGIICGEDTDLDGWPN ENLVCVANATYHCKKDNCNP
LPNSGQEDYDKDGIGDACDDDDNDKIPDDRDNC PFHYNPAQYDYDRDDV GDRC
DNCYPYHNPDQADTDNNGEGDACAADIDGDGILNERDNCQYVYNVDQRDTMDG
VGDQCDNCPLEH NPDQLDSDSDRIGDTCNNDIDEDGHQNNLDNCPYVPANQ
ADHDKDGKG DACDHDDNDGIPDDKDNC RLVPNPDQKSDGDGRGDACKDDFD
HDSVPDIDDICPENVDISETDFRRFQMIPLDPKGTSQNDPNWVVR HQGKELVQTVN
CDPGLAVGYDEFNAVDFSGTFFINTERDDDYAGFVFGYQSSSRFYVVMWKQVTQS
YWDT NPTRAQGYSGLSVKVNSTTGPGEHLRNALWHTGNTPGQVRTLWHDPRHI
GWKDFTAYRWRLSHRPKTGF
IRVVMYEGKKIMADSGPIYDKTYAGGRLGLFVFSQEMVFFSDLKYECRDPTTRTRPLE
QKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome

Protein Pathways	Bladder cancer, ECM-receptor interaction, Focal adhesion, p53 signaling pathway, TGF-beta signaling pathway
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Full Length	Full L.
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GENE INFORMATION

Gene Name	THBS1 thrombospondin 1 [Homo sapiens (human)]
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Official Symbol	THBS1
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Synonyms	TSP; THBS; TSP1; TSP-1; THBS-1
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Gene ID	7057
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mRNA Refseq	NM_003246.4
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Protein Refseq	NP_003237.2
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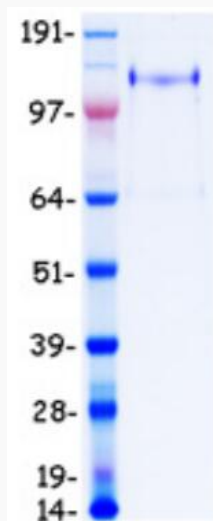
MIM	188060
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UniProt ID	P07996
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Coomassie blue staining of purified THBS1 protein.

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