

Product datasheet for **TP314802L**

Thrombospondin 1 (THBS1) (NM_003246) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human thrombospondin 1 (THBS1), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC214802 representing NM_003246
Red=Cloning site **Green**=Tags(s)

MGLAWGLGVLFLMHVCGTNRIPESGGDNSVFDIFELTGAARKGSGRRLVKGPDSPSPAFRIEDANLIPPV
PDDKFQDLVDAVRAEKGFLLASLRQMKKTRGTLALERKDHSGQVFSVWSNGKAGTLDLSLTVQGKQHV
VSVEEALLATGQWKSITLFVQEDRAQLYIDCEKMENAELDVPIQSVFTRDLASIALRIAKGGVNDNFQG
VLQNVRFVFGTTPEDILRNKGCSSSVLLTLDNNAVNGSSPAIRTNYIGHKTKDLQAICGISDELSSM
VLELRGLRTIVTTLQDSIRKVTEENKELANELRRPPLCYHNGVQYRNNEEWTVDSCTECHCQNSVTICKK
VSCPIMPSCSNATVPDGECCPRCWPSDSADDGWSPWSEWTSCSTSCGNGIQQRGRSCDSLNNRCEGSSVQT
RTCHIQECDKRFKQDGGWSHWSPWSSCVTCGDGIVITRILCNPSPPQMNGKPCGEARETKACKKDACP
INGGWGPWSPWDICSVTCGGGVQKRSRLCANNPTPQFGGKDCVGDVTENQICNKQDCPIDGCLSNPCFAGV
KCTSYPDGSWKCGACPPGYSGNGIQCTDVDECKEVPDACFNHNGEHRCENTDPGYNCLPCPPRFTGSQPF
GQGVEHATANKQVCKPRNPCTDGDHDCNKNACNYLGHYSDPMYRCECKPGYAGNGIICGEDTDLDGWPN
ENLVCVANATYHCKKDNCPNLPNSGQEDYDKDGIGDACDDDDNDKIPDDRDNCPFHYNPAQYDYDRDDV
GDRCDNCPYHNPDQADTDNNGEGDACAADIDGDGILNERDNCQYVYNVDQRDTDMDGVGDQCDNCPLEH
NPDQLDSDSDRIGDTCNNDQDIDEDGHQNNLDCPYVPANQADHDKDGKGDACDHDDNDGIPDDKDNC
RLVNPDPQKDSGDGRGDACKDDFDHDSVPDIDDICPENVDISETDFRRFQMIPLDPKGTSQNDPNWVVR
HQGKELVQTVNCDPGLAVGYDEFNAVDFSGTFFINTERDDDYAGFVFGYQSSSRFVVMWKQVTQSYWDT
NPTRAQGYSGLSVKVNSTTGPEHLRNALWHTGNTPGQVRTLWHDPRHIGWKDFTAYRWRLSHRPKTGF
IRVVMYEGKKIMADSGPIYDKTYAGGRLGLFVFSQEMVFFSDLKYECRDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

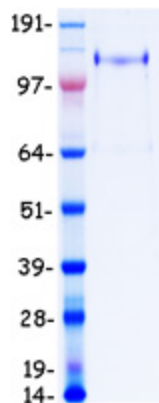
Tag: C-Myc/DDK
Predicted MW: 127.4 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003237
Locus ID:	7057
UniProt ID:	P07996
RefSeq Size:	5820
Cytogenetics:	15q14
RefSeq ORF:	3510
Synonyms:	THBS; THBS-1; TSP; TSP-1; TSP1
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Bladder cancer, ECM-receptor interaction, Focal adhesion, p53 signaling pathway, TGF-beta signaling pathway

Product images:



Coomassie blue staining of purified THBS1 protein (Cat# [TP314802]). The protein was produced from HEK293T cells transfected with THBS1 cDNA clone (Cat# [RC214802]) using MegaTran 2.0 (Cat# [TT210002]).