

Product datasheet for PH314802

Thrombospondin 1 (THBS1) (NM_003246) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	THBS1 MS Standard C13 and N15-labeled recombinant protein (NP_003237)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214802
Predicted MW:	129.38 kDa
Protein Sequence:	>RC214802 representing NM_003246 Red=Cloning site Green=Tags(s)

MGLAWGLGVLFLMHVCGTNRIPESGGDNSVFDIFELTGAARKGSGRRLVKGPDSPSPAFRIEDANLIPPV
PDDKFQDLVDAVRAEKGFLLASLRQMKKTRGTLLALERKDHSGQVFSVVSNGKAGTLDLSLTVQKQHV
VSVEEALLATGQWKSITLRFVQEDRAQLYIDCEKMENAELDVPIQSVFTRDLASIALRLIAKGGVNDNFQG
VLQNVRFVFGTTPEDILRNKGCSSSTSVLLTLDNNVNGSSPAIRTNYIGHKTKDLQAICGISDELSSM
VLELRGLRTIVTTLQDSIRKVTEENKELANELRRPPLCYHNGVQYRNNEEWTVDSCTECHCQNSVTICKK
VSCPIMPSCNATVPDGECCPRCWPSSDADDGWSPSEWTSCSTSCNGIQQRGRSCDSLNNRCEGSSVQT
RTCHIQCCKRFRKQDGGWSHWPSSCSVTCDGCVITRIRLCNSPSPQMNGKPCGEARETKACKKDACP
INGGWGPWSPWDICSVTCGGGVQKRSRLCNPPTPQFGGKDCVGDVTENQICNKQDCPIDGCLSNPCFAGV
KCTSYPDGSKWCGACPPGYSGNGIQCTDVECKEVPDACFNHNGEHRCENTDPGYNCLPCPPRFTGSQPF
GQGVEHATANKQVCKPRNPCTDGTDCNKNACNYLGHYSMPMYRCECKPGYAGNGIICGEDTDLGWPN
ENLVCVANATYHCKKDNCPNLNPSGQEDYDKDGIADGADDDDDNDKIPDDRDNCPFHYNPAQYDYRDDV
GDRCDNCPYHNPDQADTDNNGEGDACAADIDGDGILNERDNCQYVYNVDQRDTMDGVGDQCDNCPLEH
NPQLDSDSDRIGDTCNNDQIDEDGHQNNLDNCPYVPANQADHDKDGGKGDACDHDNDGIPDDKDNC
RLVNPDPQKSDSDGGRGDACKDDFDHDSVPDIDDICPENVDISETDFRRFQMIPLDPKGTSDNDPNWVVR
HQGKELVQTVNCDPGLAVGYDEFNAVDFSGTFFINTERDDDYAGFVFGYQSSRFYVVMWKQVTQSYWDT
NPTRAQGYSGLSVKVNSTTGPGEHLRNALWHTGNTPGQVRTLWHDPRHIGWKDF TAYRWRLSHRPKTGF
IRVVMYEGKKIMADSGPIYDKTYAGGRLGLFVFSQEMVFFSDLKYECRDP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKLV

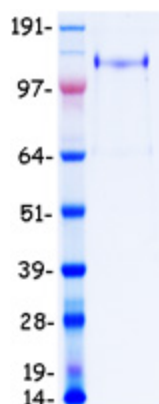
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003237
RefSeq Size:	5820
RefSeq ORF:	3510
Synonyms:	THBS; THBS-1; TSP; TSP-1; TSP1
Locus ID:	7057
UniProt ID:	P07996
Cytogenetics:	15q14
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]).