

Recombinant Human THBS4, GST-tagged

Cat. No. THBS4-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human THBS4 full-length ORF (NP_003239.2, 1 a.a. - 961 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the thrombospondin protein family. Thrombospondin family members are adhesive glycoproteins that mediate cell-to-cell and cell-to-matrix interactions. This protein forms a pentamer and can bind to heparin and calcium. Studies of the rat counterpart suggest that this protein may be involved in local signaling in the developing and adult nervous system.
Molecular Mass	132.3 kDa
AA Sequence	MLAPRGAAVLLLHLVLQRWLAAGAQATPQVFDLLPSSSQRLNPGALLPVLTDPALND LYVISTFKLQTKSSATIF GLYSSTDNSKYFEFTVMGRLNKAILRYLKNDGKVHLVVFN NLQLADGRRHRILLRLSNLQRGAGSLELYLDCIQV DSVHNLPRAFAGPSQKPETIEL RTFQRKPQDFLEELKLVRGSLFQVASLQDCFLQQSEPLAATGTGDFNRQFLG QM TQLNQLLGEVKDLLRQQVKETSFLRNTIAECQACGPLKFQSPTSTVVPPAPPAPPT RPPRRCDSNPCFRGVQ CTDSRDGFQCGPCPEGYTGNGITCIDVDECKYHPCYPG VHCINLSPGFRCDACPVGFTGPMVQGVGISFAKSNKQ VCTDIDECRNGACVPNSIC VNTLGSYRCGPCKPGYTGDIQIRGCKAERNCRNPENPCSVNAQCIEERQGDVTCV C GVGWAGDGYICGKDVIDSYDPDEELPCSARNCKKDNCKYVPNSGQEDADRDGIG

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DACDEDADGGDILNEQDNCVL IHNVDQRNSDKDIFGDACDNCLSVLNNDQKDTDG
DGRGDACDDMDGDIKNILDNCPKFPNRDQRDKDGDGVDG ACDSCPDVSNPNQ
SDVDNDLVGDSCDTNQSDGSDGHQDSTDNCPTVINSACLDTDKDGIGDECDDDDDD
NDGIPDL VPPGPDNCRLVPNPAQEDSNSDGVGDICESDFDQDQVIDRIDVCPENAE
VTLTDFRAYQTVVLDPEGDAQIDPNW VVLNQGMEIVQTMNSDPGLAVGYTAFNGV
DFEGTFHVNTQTDDDYAGFIFGYQDSSSFYVVMWKQTEQTYWQATP FRAVAEPGI
QLKAVKSKTGPGEHLRNSLWHTGDTSDQVRLWLDKSRNVGWKDKVSYRWFLQHR
PQVGYIRVRFYE GSELVADSGVTIDTTMRGGRLGVFCFSQENIIWSNLKYRCNDTIP
EDFQEFQTQNFDRFDN

Applications ELISA; WB-Re; AP; Array

Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name THBS4 thrombospondin 4 [Homo sapiens (human)]

Official Symbol THBS4

Synonyms THBS4; TSP4; thrombospondin 4; thrombospondin-4

Gene ID 7060

mRNA Refseq NM_003248

Protein Refseq NP_003239

MIM 600715

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UniProt ID	P35443
Chromosome Location	5q13
Pathway	ECM-receptor interaction; Focal adhesion; PI3K-Akt signaling pathway; Signal Transduction
Function	calcium ion binding; growth factor activity; heparin binding

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