

Recombinant Human THBS4 protein, T7/His-tagged

Cat. No. THBS4-114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature human THBS4 cDNA (27–961aa, derived from BC050456) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	27-961 a.a.
Form	0.1 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGGQQMGRGHHHHHHGNLYFQGGEFTPQVFDLLPSSSQRLNPGALLPVLT DPALNDLYVISTFKLQTKSSA TIFGLYSSTDNSKYFEFTVMGRLNKAILRYLKNDGKV HLVVFNNLQLADGRRHRILLRLSNLQRGAGSLELYLDC IQVDSVHNLPRAFAGPSQK PETIELRTFQRKPQDFLEELKLVVRGSLFQVASLQDCFLQQSEPLAATGTGDFNRQ FLGQMTQLNQLLGEVKDLLRQQVKETSFLRNTIAECQACGPLKFQSPTPSTVPPAP PAPPTRPPRRCDSNPCFR GVQCTDSRDGFQCGPCPEGYTGNGITCIDVDECKYHP CYPGVHCINLSPGFRCDACPVGFTGPMVQGVGISFAKS NKQVCTDIDECRNGACV PNSICVNTLGSYRCGPCKPGYTGDIQIRGCKAERNCRNPELNPCSVNAQCIEERQGD VT CVCVGWAGDGYICGKDVIDSYDEELPCSARNCKKDNCKYVPNSGQEDAD RDGIGDACDEADGDGILNEQDN CVLIHNVDQRNSDKDIFGDACDNCLSVLNNDQK DTDGDGRGDACDDMDGDGIKNILDNCPKFPNRDQRDKDGDG VGDACDSCPDVS

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NPNQSDVDNDLVGDSCDTNQSDGDGHQDSTDNCPTVINSACLDTDKDGIGDECD
 DDDDNDGI PDLVPPGPDNCRLVPNPAQEDSNSDGVGDICESDFDQDQVIDRIDVCP
 ENAEVTLTDFRAYQTVVLDPEGDAQID PNWVVLNQGMIEVQTMNSDPGLAVGYTA
 FNGVDFEGTFHVNTQTDDDYAGFIFGYQDSSSFYVVMWKQTEQTYWQ ATPFRAV
 AEPGIQLKAVKSKTGPGEHLRNSLWHTGDTSDQVRLWLDKSRNVGWKDKVSYRW
 FLQHRPQVGYIRVR FYEGSELVADSGVTIDTTMRGGRLGVFCFSQENIIWSNLKYR
 CNDTIPEDFQEFQTQNFDRFDN

Purity >90% by SDS-PAGE

Applications

1. May be used for in vitro HTBS4 mediated neuronal cell differentiation regulation study with this protein as either coating matrix protein or soluble factor. 2. May be used for HTBS4 protein-protein interaction assay. 3. Potential diagnostic biomarker protein for gastric tumors. 4. As antigen for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name THBS4 thrombospondin 4 [Homo sapiens]

Official Symbol THBS4

Synonyms THBS4; thrombospondin 4; thrombospondin-4; TSP4;

Gene ID 7060

mRNA Refseq NM_003248

Protein Refseq NP_003239

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MIM	600715
UniProt ID	P35443
Chromosome Location	5q13
Pathway	ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Malaria, organism-specific biosystem; Malaria, conserved biosystem;
Function	calcium ion binding; collagen binding; fibronectin binding; growth factor activity; heparin binding; integrin binding; laminin-1 binding; structural molecule activity;

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