# Recombinant Human THBS4 protein, T7/His-tagged

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

## SPECIFICATION

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| **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** | MASMTGGQQMGRGHHHHHHGNLYFQGGEFTPQVFDLLPSSSQRLNPGALLPVLT DPALNDLYVISTFKLQTKSSA TIFGLYSSTDNSKYFEFTVMGRLNKAILRYLKNDGKV HLVVFNNLQLADGRRHRILLRLSNLQRGAGSLELYLDC IQVDSVHNLPRAFAGPSQK PETIELRTFQRKPQDFLEELKLVVRGSLFQVASLQDCFLQQSEPLAATGTGDFNRQ FLGQMTQLNQLLGEVKDLLRQQVKETSFLRNTIAECQACGPLKFQSPTPSTVVPPAP PAPPTRPPRRCDSNPCFR GVQCTDSRDGFQCGPCPEGYTGNGITCIDVDECKYHP CYPGVHCINLSPGFRCDACPVGFTGPMVQGVGISFAKS NKQVCTDIDECRNGACV PNSICVNTLGSYRCGPCKPGYTGDQIRGCKAERNCRNPELNPCSVNAQCIEERQGD VT CVCGVGWAGDGYICGKDVDIDSYPDEELPCSARNCKKDNCKYVPNSGQEDAD RDGIGDACDEDADGDGILNEQDN CVLIHNVDQRNSDKDIFGDACDNCLSVLNNDQK DTDGDGRGDACDDDMDGDGIKNILDNCPKFPNRDQRDKDGDG VGDACDSCPDVS |

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| | NPNQSDVDNDLVGDSCDTNQDSDGDGHQDSTDNCPTVINSAQLDTDKDGIGDECD DDDDNDGI PDLVPPGPDNCRLVPNPAQEDSNSDGVGDICESDFDQDQVIDRIDVCP ENAEVTLTDFRAYQTVVLDPEGDAQID PNWVVLNQGMEIVQTMNSDPGLAVGYTA FNGVDFEGTFHVNTQTDDDYAGFIFGYQDSSSFYVVMWKQTEQTYWQ ATPFRAV AEPGIQLKAVKSKTGPGEHLRNSLWHTGDTSDQVRLLWKDSRNVGWKDKVSYRW 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

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| **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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