

Recombinant Human THBS4 Protein, His tagged

Cat. No. THBS4-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human THBS4 Protein (22-961 aa, Pro276Ala, Ala420Val) with C-His tag was expressed in E. coli.
Species	Human
Source	HEK293
ProteinLength	22-961 aa (Pro276Ala, Ala420Val)
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. It is involved in local signaling in the developing and adult nervous system, and it contributes to spinal sensitization and neuropathic pain states. This gene is activated during the stromal response to invasive breast cancer. It may also play a role in inflammatory responses in Alzheimer"s disease. Alternative splicing results in multiple transcript variants.
Source	HEK293
Species	Human
Tag	C-His
Molecular Weight	105 kDa

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AA Sequence

AGAQATPQVFDLLPSSSQRLNPGALLPVLTDPALNDLYVISTFKLQTKSSATIFGLYS
 STDNSKYFEFTVMGRNLKAILRYLKNDGKVLVVFNNLQLADGRRHRILLRLSNLQR
 GAGSLELYLDCIQVDSVHNLPRAFAGPSQKPETIELRTFQRKPQDFLEELKLVRGS
 LFQVASLQDCFLQQSEPLAATGTGDFNRQFLGQMTQLNQLLGEVKDLLRQQVKETS
 FLRNTIAECQACGPLKFQSPTPSTVVAPAPPAPPTRPPRRCDSNPCFRGVQCTDSR
 DGFQCGPCPEGYTGNGITCIDVDECKYHPCYPGVHCINLSPGFRCDACPVGFTGPM
 VQGVGISFAKSNKQVCTDIDECRNGACVPNSICVNTLGSYRCGPCKPGYTGDQIRG
 CKVERNCRNPELNPCSVNAQCIERQGDVTCVCGVGWAGDGYICGKDVIDDSYPD
 EELPCSARNCKKDNCKYVPNSGQEDADRDGIGDACDEDADGDGILNEQDNCVLIHN
 VDQRNSDKDIFGDACDNCLSVLNNDQKDTDGDGRGDACDDMDGDGIKNILDNCP
 KFPNRDQRDKDGDGVGDACDSCPDSNPNSQSDVDNDLVGDSCDTNQSDSDGDGH
 QDSTDNCPTVINSALDQDKDGIGDECDDDDDNDGIPDLVPPGPDNCRNLPNPAQE
 DSNSDGVGDICESDFDQDQVIDRIDVCPENAEVTLTDFRAYQTVVLDPEGDAQIDPN
 WVLNQGMEIVQTMNSDPGLAVGYTAFNGVDFEGTFHVNTQTDDDYAGFIFYQD
 SSSFYVMWKQTEQTYWQATPFRAVAEPIQLKAVKSKTGPGHELRNSLWHTGDT
 SDQVRLLWKDSRNVGWKDKVSYRWFLQHRPQVGIRVRFYEGSELVADSGVTIDT
 TMRGGRLGVFCFSQENIIWSNLKYRCNDTIPEDFQEFQTQNFDRFDNHHHHHHHH

Endotoxin

< 1 EU/μg by LAL

Purity

> 90% by SDS-PAGE

Storage

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer

Sterile PBS, pH7.4, 10% Glycerol, 8% Trehalose

Concentration

1 mg/mL by BCA

GENE INFORMATION

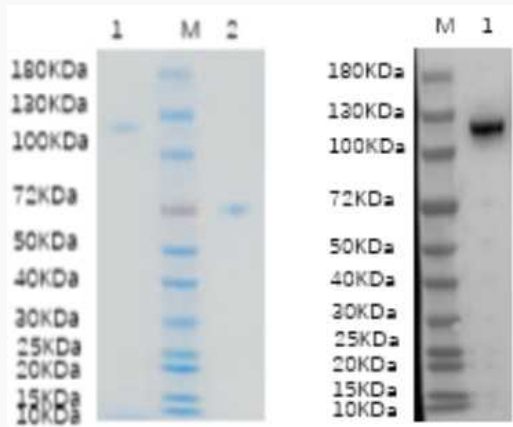
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Gene Name	THBS4 thrombospondin 4 [Homo sapiens (human)]
Official Symbol	THBS4
Synonyms	THBS4; thrombospondin 4; thrombospondin-4; TSP4
Gene ID	7060
mRNA Refseq	NM_003248
Protein Refseq	NP_003239
MIM	600715
UniProt ID	P35443

Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
THBS4.



1. THBS4: 1 µg

2. BSA: 1 µg

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