

Recombinant Human MTPN, His-tagged

Cat. No. MTPN-28770TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Myotrophin with a N terminal His tag. 138 amino acids with a predicted MWt 15 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	118 amino acids
Description	The transcript produced from this gene is bi-cistronic and can encode both myotrophin and leucine zipper protein 6. The myotrophin protein is associated with cardiac hypertrophy, where it is involved in the conversion of NFkappa B p50-p65 heterodimers to p50-p50 and p65-p65 homodimers. This protein also has a potential function in cerebellar morphogenesis, and it may be involved in the differentiation of cerebellar neurons, particularly of granule cells. A cryptic ORF at the 3 end of this transcript uses a novel internal ribosome entry site and a non-AUG translation initiation codon to produce leucine zipper protein 6, a 6.4 kDa tumor antigen that is associated with myeloproliferative disease.
Conjugation	HIS
Molecular Weight	15.000kDa inclusive of tags
Tissue specificity	Ubiquitous.

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Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.24% Tris, 10% Glycerol
Storage	Please see Notes section
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MCDKEFMWAL KNGDLDEVKD YVAKGEDVNR TLEGGRKPLH YAADCGQLEI LEFLLLKGAD INAPDKHHIT PLLSAVYEGH VSCVKLLLSK GADKTVKGPD GLTAFEATDN QAIKALLQ
Sequence Similarities	Belongs to the myotrophin family. Contains 3 ANK repeats.

GENE INFORMATION

Gene Name	MTPN myotrophin [Homo sapiens]
Official Symbol	MTPN
Synonyms	MTPN; myotrophin; GCDP; granule cell differentiation protein; MYOTROPHIN; V 1;
Gene ID	136319
mRNA Refseq	NM_145808
Protein Refseq	NP_665807
MIM	606484
Uniprot ID	P58546

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Chromosome	7q33-q35
Location	