

Recombinant Human MTPN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MTPN-2319H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MTPN MS Standard C13 and N15-labeled recombinant protein (NP_665807) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	12.9 kDa
AA Sequence	MCDKEFMWALKNGDLDEVKDYVAKGEDVNRTLEGGRKPLHYAADCGQLEILEFLL KGADINAPDKHHITPLLSAVYEGHVSCVKLLLSKGADKTVKGPDGLTAFEATDNQAIK ALLQSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

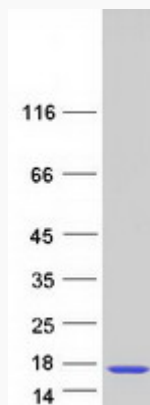
GENE INFORMATION

Gene Name	MTPN myotrophin [Homo sapiens (human)]
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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SDS-PAGE

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