

Recombinant Human MTPN cell lysate

Cat. No. MTPN-1153HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	MTPN myotrophin [Homo sapiens]
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Official Symbol	MTPN
Synonyms	MTPN; myotrophin; GCDP; granule cell differentiation protein; MYOTROPHIN; V 1;
Gene ID	94351
MIM	606484
UniProt ID	P58546
Chromosome Location	7q33-q35

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