

Recombinant Human MTPN cell lysate

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

SPECIFICATION

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]

Official Symbol

MTPN

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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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