Recombinant Full Length Human MTPN Protein, GST-tagged

Cat. No. MTPN-6558HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTPN full-length ORF (AAH28093, 1 a.a. - 118 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
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. [provided by RefSeq
Molecular Mass	38.72 kDa
AA Sequence	MCDKEFMWALKNGGLDEVKDYVAKGEDVNRTLEGGRKPLHYAADCGQLEILEFLLL KGADINAPDKHHITPLLSAVYEGHVSCVKLLLSKGADKTVKGPDGLTAFEATDNQAIK ALLQ

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA