

Recombinant Human Myotrophin, His-tagged

Cat. No. MTPN-2731H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MTPN, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW =15.0 kDa(138aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	MTPN (myotrophin), an ankyrin repeat protein, is stimulates protein synthesis and cardiomyocyte growth to initiate cardiac hypertrophy by activating the NF-kappaB signaling cascade. This protein plays a potential role in cerebellar morphogenesis and may function in differentiation of cerebellar neurons, particularly of granule cells. Elevated levels of MTPN are expressed in human dilated cardiomyopathic and ischemic hearts.
Sequences Of Amino Acids	MGSSHHHHH SSGLVPRGSH MCDKEFMWAL KNGDLDEVKD YVAKGEDVNR TLEGGRKPLH YAADCGQLEI LEFLLKLGAD INAPDKHHIT PLLSAVYEGH VSCVKLLLSK GADKTVKGPDLTAFEATDN QAIKALLQ
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

 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

store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	MTPN myotrophin [Homo sapiens]
Synonyms	MTPN; myotrophin; V-1; GCDP; FLJ31098; FLJ99857; protein V-1; granule cell differentiation protein; MYOTROPHIN
Gene ID	136319
mRNA Refseq	NM_145808
Protein Refseq	NP_665807
MIM	606484
UniProt ID	P58546
Chromosome Location	7q33
Function	protein binding

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