

Recombinant Mouse Mtpn Protein, Myc/DDK-tagged

Cat. No. Mtpn-4223M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myotrophin (Mtpn), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Promotes dimerization of NF-kappa-B subunits and regulates NF-kappa-B transcription factor activity. Promotes growth of cardiomyocytes, but not cardiomyocyte proliferation. Promotes cardiac muscle hypertrophy. Plays a role in the regulation of the growth of actin filaments. Inhibits the activity of the F-actin-capping protein complex formed by the CAPZA1 and CAPZB heterodimer.
Molecular Mass	12.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Mtpn myotrophin [Mus musculus (house mouse)]
Official Symbol	Mtpn
Synonyms	MTPN; myotrophin; protein V-1; granule cell differentiation protein; V1; Gcdp; 5033418D15Rik
Gene ID	14489
mRNA Refseq	NM_008098
Protein Refseq	NP_032124
UniProt ID	P62774

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