



MTPN, 1-118aa, Human, His tag, E.coli

Cat.NO.: TP03045

3th Edition

Synonyms:Myotrophin, Protein V-1, GCDP

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.

Form:Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

Molecular Weight:15.0 kDa(138aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMCDKEFMWALKNGDLDEVKDYVAKGEDVNRTLEGGRKPLHYAADCGQLEILEFL
LLKGADINAPDKHHITPLLSAVYEGHVSCVKLLLSKGADKTVKGPDGLTAFEATDNQAIKALLQ

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.