



Myotrophin, His Tag, human recombinant (rHuMTPN-His)

Catalog No: 97368
Lot No: XXXXX
Source: *E. coli*
Synonyms: Protein V-1, GCDP, Myotrophin, FLJ31098, FLJ99857

Background

MTPN is an ankyrin repeat protein, that stimulates protein synthesis and cardiomyocyte growth to commence cardiac hypertrophy by activating the NF-kappaB signaling cascade. Myotrophin participates in cerebellar morphogenesis and takes part in differentiation of cerebellar neurons, particularly of granule cells. High levels of MTPN are expressed in human dilated cardiomyopathic and ischemic hearts.

Description

MTPN human recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 138 amino acids (1-118) and having a molecular mass of 15 kDa. MTPN is fused to 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

MTPN human solution containing 20 mM Tris-HCl pH 8 and 10% glycerol.

Stability

MTPN, although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MCDKEFMWAL KNGDLDEVKD YVAKGEDVNR TLEGGRKPLH YAADCGQLEI LEFLLLKGAD
INAPDKHHIT PLLSAVYEGH VSCVKLLLSK GADKTVKGPD GLTAFEATDN QAIKALLQ

Usage

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