
Product Data Sheet

Product Name: MTPN Human
 Cat. No.: GP20757
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein V-1; GCDP; Myotrophin; FLJ31098; FLJ99857.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MCDKEFMWAL KNGDLDEVKD YVAKGEDVNR TLEGGRKPLH YAADCGQLEI LEFLLKLGAD INAPDKHHIT PLLSAVYEGH VSCVKLLLSK GADKTVKGPD GLTAFEATDN QAIKALLQ.		
Formulation	MTPN Human solution containing 20mM Tris-HCl pH-8 and 10% glycerol.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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