

## MTPN Human

**Description:** 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.

**Catalog #:** CYP5-730

For research use only.

**Synonyms:** Protein V-1, GCDP, Myotrophin, FLJ31098, FLJ99857.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MCDKEFMWAL KNGDLDEVKD  
YVAKGEDVNR TLEGGRKPLH YAADCGQLEI LEFLLLKGAD INAPDKHHIT PLLSAVYEGH  
VSCVKLLLSK GADKTVKGPD GLTAFEATDN QAIKALLQ.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

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

**Stability:**

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

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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