

## Product datasheet for **AR09558PU-N**

### MTPN (1-118, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	MTPN (1-118, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MCDKEFMWAL KNGDLDEVKD YVAKGEDVNR TLEGGRKPLH YAADCGQLEI LEFLLLKGAD INAPDKHHIT PLLSAVYEGH VSCVKLLLSK GADKTVKGPDGLTAFEATDN QAIKALLQ
Tag:	His-tag
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MTPN, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_665807</u>
Locus ID:	136319
UniProt ID:	<u>P58546</u>
Cytogenetics:	7q33
Synonyms:	GCDP, V-1, myotrophin


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**Summary:**

The transcript produced from this gene is bi-cistronic and can encode both myotrophin and leucine zipper protein 6. The myotrophin protein is associated with cardiac hypertrophy, where it is involved in the conversion of NFkappa B p50-p65 heterodimers to p50-p50 and p65-p65 homodimers. This protein also has a potential function in cerebellar morphogenesis, and it may be involved in the differentiation of cerebellar neurons, particularly of granule cells. A cryptic ORF at the 3' end of this transcript uses a novel internal ribosome entry site and a non-AUG translation initiation codon to produce leucine zipper protein 6, a 6.4 kDa tumor antigen that is associated with myeloproliferative disease. [provided by RefSeq, Jul 2008]

**Product images:**
