

## Product datasheet for **TP307732M**

### MTMR14 (NM\_001077525) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myotubularin related protein 14 (MTMR14), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207732 protein sequence Red=Cloning site Green=Tags(s)

MAGAAAAAASAGSSASSGNQPPQELGLGELLEEFRTQYRAKDGSGTGGSKVERIEKRCLFGRDYC  
FSVIPNTNGDICGHYPRHIVFLEYESSEKEKDTFESTVQVSKLQDLIHRSKMARCGRFVCPVILFKGKH  
ICRSATLAGWGELYGRSGYNYFFSGGADDAWADVEDVTEEDCALRSGDTHLFDKVRGYDIKLLRYSVKY  
ICDLMVENKKVKFGMNVTSSEKVDKAQRYADFTLLSIPYPGCEFFKEYKDRDYMAEGLIFNWKQDYVDAP  
LSIPDFLTHSLNIDWSQYQCWDLVQQTQNYLKLKLLSLVNSDDDSGLLVHCISGWDRTPLFISLLRSLWA  
DGLIHTSLKPTILYLTVAYDWFLFGHMLVDRLSKGEEIFFCFNFKHITSEEFSAKLTQRRKSLPARD  
GGFTLEDICMLRRKDRGSTTSLGSDFSLVMESSPGATGSFTYEAVELVPAGAPTQAAWRKSHSSSPQSVL  
WNRQPSEDRLPSQQGLAEARSSSSSSSNHSDNFFRMGSSPLEVPKPRSDHPLPGSSLSTDYGSWQMVT  
GCGSIQERAVLHTDSSLPFSFPDEL PNSCLLAALSDRETRLQEVRS AFLAAYSSTVGLRAVAPSPSGAIG  
GLLEQFARGVGLRSISSNAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	72 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001070993](#)

**Locus ID:** 64419

**UniProt ID:** [Q8NCE2](#)

**RefSeq Size:** 2536

**Cytogenetics:** 3p25.3

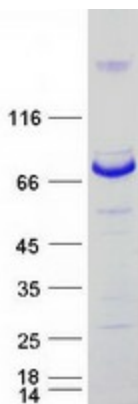
**RefSeq ORF:** 1950

**Synonyms:** C3orf29

**Summary:** This gene encodes a myotubularin-related protein. The encoded protein is a phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 3-phosphate. Mutations in this gene are correlated with autosomal dominant centronuclear myopathy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 18.[provided by RefSeq, Apr 2010]

**Protein Families:** Druggable Genome, Phosphatase, Secreted Protein

### Product images:



Coomassie blue staining of purified MTMR14 protein (Cat# [TP307732]). The protein was produced from HEK293T cells transfected with MTMR14 cDNA clone (Cat# [RC207732]) using MegaTran 2.0 (Cat# [TT210002]).