

Product datasheet for **TP308703M**

MTMR2 (NM_016156) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myotubularin related protein 2 (MTMR2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208703 protein sequence Red =Cloning site Green =Tags(s)

METSSSCESLGSQPAAARPPSVDSLSSASTSHSENSVHTKSASWSSDSISTSADNFSPDLRVLRRESNKL
AEMEEPPLLPGENIKDMAKDVTYICPFTGAVRGLTVTNYRLYFKSMERDPPFVLDAASLGVINRVEKIGG
ASSRGENSYGLETVCCKDIRNLRFAHKPEGRTRRSIFENLMKYAFPVSNNLPLFAFEYKEVFPENGWKLVD
PLLEYRRQGIPNESWRITKINERYELCDTYPALLVVPANIPDEELKRVASFRSRGRIPVLSWIHPESQAT
ITRCSQPMVGVSGKRSKEDEKYLQAIMDSNAQSHKIFIDARPSVNAVANKAKGGGYESEDAYQNAELVF
LDIHNIHVMRESLRKLKEIVYPNIEETHWLSNLESTHWLEHIKLILAGALRIADKVESGKTSVVVHCSDG
WDRTAQLTSLAMLMLDGYRRTIRGFVLEKEWLSFGHRFQLRVGHGDKNHADADRSPVFLQFIDCVWQM
TRQFPTAFEFNEYFLITILDHLYSCLFGTFLCNSEQQRGKENLPKRTVSLWSYINSQLEDFTNPLYGSYS
NHVLYPVASMRHLELVWGYIRWNPRMKPQEPHNRKELLAKRAELQKKVEELQREISNRSTSSSERAS
SPAQCCTPVQTVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

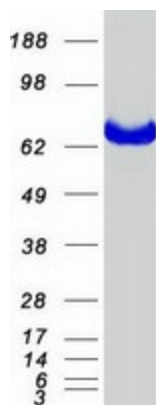
Tag:	C-Myc/DDK
Predicted MW:	73.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_057240
Locus ID:	8898
UniProt ID:	Q13614
RefSeq Size:	4603
Cytogenetics:	11q21
RefSeq ORF:	1929
Synonyms:	CMT4B; CMT4B1
Summary:	This gene is a member of the myotubularin family of phosphoinositide lipid phosphatases. The encoded protein possesses phosphatase activity towards phosphatidylinositol-3-phosphate and phosphatidylinositol-3,5-bisphosphate. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4B, an autosomal recessive demyelinating neuropathy. Alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Fructose and mannose metabolism, Metabolic pathways, Riboflavin metabolism, Thiamine metabolism

Product images:



Coomassie blue staining of purified MTMR2 protein (Cat# [TP308703]). The protein was produced from HEK293T cells transfected with MTMR2 cDNA clone (Cat# [RC208703]) using MegaTran 2.0 (Cat# [TT210002]).