

Product datasheet for **TP322373M**

MTMR7 (NM_004686) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myotubularin related protein 7 (MTMR7), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222373 protein sequence Red =Cloning site Green =Tags(s)

MEHIRTPKVENVRLVDRVSPKKAALGTLTYLTATHVIFVENSPPDARKETWILHSQISTIEKQATTATGCPL
LIRCKNFQIIQLIIPQERDCHDVYISLIRLARPVKYEELYCFSNPMLDKEEREQGWVLIDLSEYTRMG
LPNHYWQLSDVNRDYRVCDSPTELYVPKSATAHIIVGSSKFRSRRRFPVLSYYKDNHASICRSSQPLS
GFSARCLEDEQMLQAIRKANPGSDFVYVVDTRPKLNAMANRAAGKGYENEDNYSNIKFFIGIENIHVMR
NSLQKMLEVCELKSPSMSDFLWGLENSGWLRIKAIMDAGIFIAKAVSEEGASVLVHCSGWDRTAQVCS
VASLLLDPHYRTLKGFVMLIEKDWISEFGHKFNHRYGNLDGDPKEISPIDQFIECVWQLMEQFPCAFEFN
ERFLIHQHHIYSCQFGNFCNSQKERRELKIQERTYSLWAHLWKNRADYLNPLFRADHSQTQGTLLHPT
TPCNFMYKFWSGMYNRFEKGMQPRQSVTDYLMVKEETQQLLEEELEALERLEKIQKVQLNCTKVKSQKQ
EPSKHSGFSTSDNSIANTPQDYSGNMKSFPSPSQGDEDSALILTQDNLKSSDPDLSANSQESGVEDL
SCRSPSGGEHAPSEDSGKDRDSDEAVFLTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

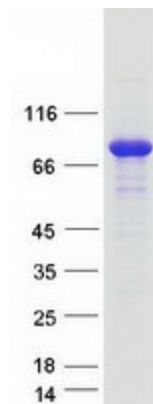
Tag:	C-Myc/DDK
Predicted MW:	75.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_004677
Locus ID:	9108
UniProt ID:	Q9Y216 , B7ZAG8 , B7Z9Q7
RefSeq Size:	5302
Cytogenetics:	8p22
RefSeq ORF:	1980
Summary:	This gene encodes a member of the myotubularin family of tyrosine/dual-specificity phosphatases. The encoded protein is characterized by four distinct domains that are conserved among all members of the myotubularin family: the glucosyltransferase, Rab-like GTPase activator and myotubularins domain, the Rac-induced recruitment domain, the protein tyrosine phosphatases and dual-specificity phosphatases domain and the suppressor of variegation 3-9, enhancer-of-zeste, and trithorax interaction domain. This protein dephosphorylates the target substrates phosphatidylinositol 3-phosphate and inositol 1,3-bisphosphate. A pseudogene of this gene is found on chromosome 5. [provided by RefSeq, Mar 2009]
Protein Families:	Phosphatase
Protein Pathways:	Fructose and mannose metabolism, Metabolic pathways, Riboflavin metabolism, Thiamine metabolism

Product images:



Coomassie blue staining of purified MTMR7 protein (Cat# [TP322373]). The protein was produced from HEK293T cells transfected with MTMR7 cDNA clone (Cat# [RC222373]) using MegaTran 2.0 (Cat# [TT210002]).