

## Product datasheet for **TP322373**

### MTMR7 (NM\_004686) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myotubularin related protein 7 (MTMR7), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222373 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEHIRTPKVENVRLVDRVSPKKAALGTLTYLTATHVIFVENSPPDARKETWILHSQISTIEKQATTATGCPL  
LIRCKNFQIIQLIIPQERDCHDVYISLIRLARPVKYEELYCFSNPMLDKEEREQGWVLIDLSEYTRMG  
LPNHYWQLSDVNRDYRVCDSPTELYVPKSATAHIIVGSSKFRSRRRFPVLSYYKDNHASICRSSQPLS  
GFSARCLEDEQMLQAIRKANPGSDFVYVVDTRPKLNAMANRAAGKGYENEDNYSNIKFFIGIENIHVMR  
NSLQKMLEVCELKSPSMSDFLWGLENSGWLRIKAIMDAGIFIAKAVSEEGASVLVHCSDGWDRTAQVCS  
VASLLLDPHYRTLKGFVMLIEKDWISFGHKFNHRYGNLDGDPKEISPIDQFIECVWQLMEQFPCAFEFN  
ERFLIHQHHIYSCQFGNFCNSQKERRELKIQERTYSLWAHLWKNRADYLNPLFRADHSQTQGTLLHPT  
TPCNFMYKFWSGMYNRFEKGMQPRQSVTDYLMVKEETQQLLEEELEALERLEKIQKVQLNCTKVSKSQS  
EPSKHSFGFSTSDNSIANTPQDYSGNMKSFPSPSQGDEDSALILTQDNLKSSDPDLSANSQESGVEDL  
SCRSPSGGEHAPSEDSGKDRDSDEAVFLTA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

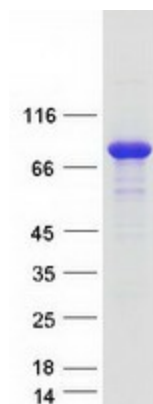
Tag:	C-Myc/DDK
Predicted MW:	75.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004677</a>
<b>Locus ID:</b>	9108
<b>UniProt ID:</b>	<a href="#">Q9Y216</a> , <a href="#">B7ZAG8</a> , <a href="#">B7Z9Q7</a>
<b>RefSeq Size:</b>	5302
<b>Cytogenetics:</b>	8p22
<b>RefSeq ORF:</b>	1980
<b>Summary:</b>	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]
<b>Protein Families:</b>	Phosphatase
<b>Protein Pathways:</b>	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]).