

Product datasheet for PH322373

MTMR7 (NM_004686) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MTMR7 MS Standard C13 and N15-labeled recombinant protein (NP_004677)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222373
Predicted MW:	75.8 kDa
Protein Sequence:	>RC222373 protein sequence Red=Cloning site Green=Tags(s)

MEHIRTPKVENVRLVDRVSPKKAALGTLYL TATHVIFVENSPDARKETWILHSQISTIEKQATTATGCPL
LIRCKNFQIIQLIIPQERDCHDYVYISLIRLARPVKYEELYCF SFNPMLDKEEREQGWVLIDLSEEYTRMG
LPNHYWQLSDVNRDYRVCD SYPTELYVPKSATAHIIVGSSKFRSRRRFPVLSYYYKDNHASICRSSQPLS
GFSARCLEDEQMLQAIRKANPGSDFVYVVDTRPKLNAMANRAAGKGYENEDNYSNIKQFFIGIENIHVMR
NSLQKMLEVCELKSPSMSDFLWGLENSGWLRIKAIMDAGIFIAKAVSEEGASVLVHCSDGWDRTAQVCS
VASLLLDPHYRTLKGFVMLIEKDWISFGHKFNHRYGNLDGDPKEISPVIDQFIECVWQLMEQFPCAFEFN
ERFLIHIQHIIYSCQFGNFLCNSQKERRELKIQERTYSLWAHLWKNRADYLNPLFRADHSQTQGTLLHPT
TPCNFMYKFWSGMYNRFKGMQPRQSVTDYLMVKEETQQL EEELEALEERLEKIQKVQLNCTKVKSKQS
EPSKHSGFSTSDNSIANTPQDYSGNMKSFPSPSPSQGDEDSALILTQDNLKSSDPDL SANSQDESGVEDL
SCRSPSGGEHAPSEDSGKDRDSDEAVFLTA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004677</u>
RefSeq Size:	5302



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RefSeq ORF: 1980

Locus ID: 9108

UniProt ID: [Q9Y216](#), [B7ZAG8](#), [B7Z9Q7](#)

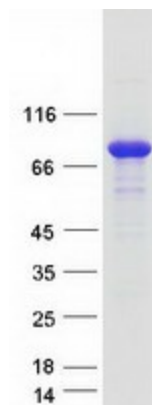
Cytogenetics: 8p22

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]).