

## Product datasheet for **RC222373L3V**

### MTMR7 (NM\_004686) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MTMR7 (NM_004686) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MTMR7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004686
ORF Size:	1980 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222373).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004686.2</a>
RefSeq Size:	5302 bp
RefSeq ORF:	1983 bp
Locus ID:	9108
UniProt ID:	<a href="#">Q9Y216</a>
Cytogenetics:	8p22
Protein Families:	Phosphatase
Protein Pathways:	Fructose and mannose metabolism, Metabolic pathways, Riboflavin metabolism, Thiamine metabolism



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**MW:** 75.8 kDa

**Gene 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]