

## Product datasheet for **RC208660L4V**

### MTMR14 (NM\_001077526) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MTMR14 (NM_001077526) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MTMR14
Synonyms:	C3orf29
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001077526
ORF Size:	1794 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208660).
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_001077526.1</a>
RefSeq Size:	2380 bp
RefSeq ORF:	1797 bp
Locus ID:	64419
UniProt ID:	<a href="#">Q8NCE2</a>
Cytogenetics:	3p25.3
Protein Families:	Druggable Genome, Phosphatase, Secreted Protein
MW:	66.7 kDa


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**Gene Summary:**

This gene encodes a myotubularin-related protein. The encoded protein is a phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3,5-biphosphate and phosphatidylinositol 3-phosphate. Mutations in this gene are correlated with autosomal dominant centronuclear myopathy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 18.[provided by RefSeq, Apr 2010]