

## Product datasheet for **RC218909L4V**

### PPM1L (NM\_139245) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PPM1L (NM_139245) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PPM1L
Synonyms:	PP2C-epsilon; PP2CE; PPM1-LIKE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_139245
ORF Size:	1080 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218909).
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_139245.2</a>
RefSeq Size:	3056 bp
RefSeq ORF:	1083 bp
Locus ID:	151742
UniProt ID:	<a href="#">Q5SGD2</a>
Cytogenetics:	3q25.33-q26.1
Domains:	PP2C
Protein Families:	Druggable Genome, Phosphatase



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**MW:** 40.9 kDa

**Gene Summary:** The protein encoded by this gene is a magnesium or manganese-requiring phosphatase that is involved in several signaling pathways. The encoded protein downregulates apoptosis signal-regulating kinase 1, a protein that initiates a signaling cascade that leads to apoptosis when cells are subjected to cytotoxic stresses. This protein also is an endoplasmic reticulum transmembrane protein that helps regulate ceramide transport from the endoplasmic reticulum to the Golgi apparatus. Finally, this gene may be involved in adiposity since it is upregulated in adipose tissues. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]