

Product datasheet for RC218909L1

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

PPM1L (NM_139245) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PPM1L (NM_139245) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: PPM1L

Synonyms: PP2C-epsilon; PP2CE; PPM1-LIKE

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC218909).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_139245

ORF Size: 1080 bp





PPM1L (NM_139245) Human Tagged Lenti ORF Clone - RC218909L1

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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 139245.2</u>

 RefSeq Size:
 3056 bp

 RefSeq ORF:
 1083 bp

 Locus ID:
 151742

 UniProt ID:
 Q5SGD2

Cytogenetics: 3q25.33-q26.1

Domains: PP2C

Protein Families: Druggable Genome, Phosphatase

MW: 40.9 kDa

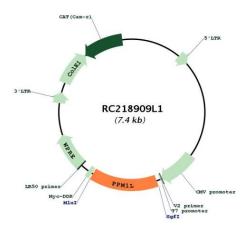
Gene Summary: The protein encoded by this gene is a magnesium or manganese-requiring phosphatase that

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

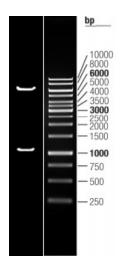
been found for this gene. [provided by RefSeq, Dec 2015]



Product images:



Circular map for RC218909L1



Double digestion of RC218909L1 using Sgfl and Mlul