

## Product datasheet for MR210815L3

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### Ppp4r3a (NM\_211355) Mouse Tagged Lenti ORF Clone

**Product data:** 

**Product Type: Expression Plasmids** 

**Product Name:** Ppp4r3a (NM 211355) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: Ppp4r3a

1110034C04Rik; BC064465; mKIAA2010; Smek1 Synonyms:

**Mammalian Cell** Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

The ORF insert of this clone is exactly the same as(MR210815). **ORF Nucleotide** 

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_211355

**ORF Size:** 2460 bp





#### Ppp4r3a (NM\_211355) Mouse Tagged Lenti ORF Clone - MR210815L3

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

**RefSeq:** <u>NM 211355.1</u>, <u>NP 997594.1</u>

 RefSeq Size:
 4555 bp

 RefSeq ORF:
 2463 bp

 Locus ID:
 68734

 UniProt ID:
 Q6P2K6

Cytogenetics: 12 E

**Gene Summary:** Regulatory subunit of serine/threonine-protein phosphatase 4. May regulate the activity of

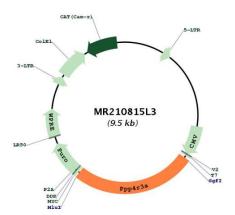
PPP4C at centrosomal microtubule organizing centers. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on 'Ser-140' (gamma-H2AFX)

generated during DNA replication and required for DNA DSB repair (By similarity).

[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for MR210815L3