

## Product datasheet for RR215055L4

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OriGene Technologies, Inc.

## Rprm (NM\_001044276) Rat Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Rprm (NM\_001044276) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Rprm

Synonyms: MGC109515

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

Sgfl-Mlul

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

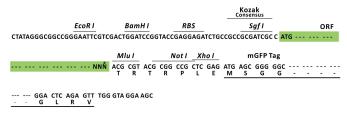
ORF Nucleotide The ORF insert of this clone is exactly the same as(RR215055).

Sequence:

Restriction Sites:

**Cloning Scheme:** 





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

**ACCN:** NM\_001044276

ORF Size: 327 bp





## Rprm (NM\_001044276) Rat Tagged Lenti ORF Clone - RR215055L4

**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 001044276.1</u>, <u>NP 001037741.1</u>

RefSeq Size: 1444 bp
RefSeq ORF: 330 bp
Locus ID: 680110
UniProt ID: Q5BIN9
Cytogenetics: 3q12

**Gene Summary:** May be involved in the regulation of p53-dependent G2 arrest of the cell cycle. Seems to

induce cell cycle arrest by inhibiting CDK1 activity and nuclear translocation of the CDC2

cyclin B1 complex (By similarity).[UniProtKB/Swiss-Prot Function]