

Product datasheet for **RR215055**

Rprm (NM_001044276) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rprm (NM_001044276) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rprm
Synonyms: MGC109515
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215055 representing NM_001044276
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATTCAGTGTGGGCAACCAGACCGACGTGGCTGGCCTGTTCTGGCCAACAGTAGCGAGGCGCTGG
AGCGCGCGGTGCGCTGCTGCACCCAGGCGTCGGTGGTGACCGACGATGGCTTCGCCGAGGGCGGCCCGA
CGAGCGCAGCCTGTACATTATGCGCGTGGTGCAGATCGCTGTAATGTGTGTGCTCTCGCTCACCGTGGTT
TTCGGCATCTTCTCCTTGGCTGTAACCTGCTCATCAAGTCCGAAGGCATGATCAACTTCCTAGTGAAGG
ACCGGAGGCCGTCTAAAGAGGTTGAGGCAGTGGTCGTGGGCCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215055 representing NM_001044276
Red=Cloning site Green=Tags(s)

MNSVLGNQTDVAGLFLANSSEALERAVRCCTQASVVTDDGFAEGGPDERSLYIMRVVQIIVMCVLSLTVV
FGIFFLGCNLLIKSEGMINFLVKDRRPSKEVEAVVVGYPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

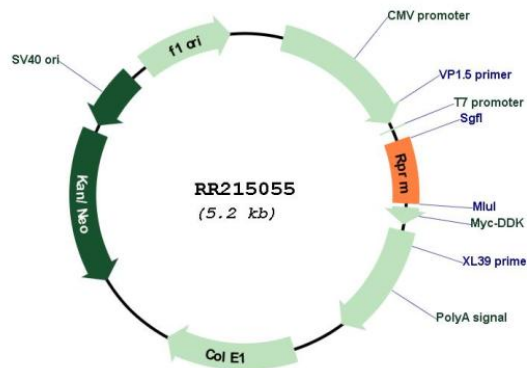


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001044276

ORF Size: 327 bp

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:	<ol style="list-style-type: none">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:	<u>Q5BJN9</u>
Cytogenetics:	3q12
MW:	11.8 kDa
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]