

Product datasheet for **RN215055**

Rprm (NM_001044276) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rprm (NM_001044276) Rat Untagged Clone
Tag: Tag Free
Symbol: Rprm
Synonyms: MGC109515
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215055 representing NM_001044276
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATTCAGTGTGGGCAACCAGACCGACGTGGCTGGCCTGTTCTGGCCAACAGTAGCGAGGCGCTGG
AGCGCGCGGTGCGCTGCTGCACCCAGGCGTCGGTGGTGACCGACGATGGCTTCGCCGAGGGCGGCCCGA
CGAGCGCAGCCTGTACATTATGCGCGTGGTGCAGATCGCTGTAATGTGTGTGCTCTCGCTCACCGTGGTT
TTCGGCATCTTCTTCTGGCTGTAACCTGCTCATCAAGTCCGAAGGCATGATCAACTTCTAGTGAAGG
ACCGGAGGCCGTCTAAAGAGGTTGAGGCAGTGGTTCGTGGGCCCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001044276

Insert Size: 330 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



[View online »](#)

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: [NM_001044276.1](#), [NP_001037741.1](#)

RefSeq Size: 1444 bp

RefSeq ORF: 330 bp

Locus ID: 680110

UniProt ID: [Q5BJN9](#)

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]