

## Product datasheet for **MC206009**

### **Rrm1 (NM\_009103) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rrm1 (NM_009103) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rrm1
Synonyms:	RnrM1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC016450  
 TGGTGAGGAAAGTGCCGCTATCGCGCAGCTTCCATCCCTCCGTCGAGCAGCCTCTCGGAGTCCAACCC  
 TTCACATCTGACAGTCGTCTCTGTCCCTTCTTCGCTCGGAGCTGCTAACTGGTCTCGAACCTCTCAGCA  
 CTTACAGCTTCTAGCGCGGATGCATGTGATCAAGCGAGATGGCCGCCAAGAGCGAGTTATGTTTGACAAAA  
 TTACATCACGAATCCAGAAACTCTGTTATGGACTCAACATGGACTTTGTTGATCTGTCTCAGATCACCAT  
 GAAAGTAATCCAAGGCCTATATAGTGGGTGACCACAGTGAAGTGGACACCTGGCTGCTGAGACAGCC  
 GCGACCTTGACCACGAAGCACCCTGACTATGCCATCCTGGCAGCAAGGATAGCCGCTCTAACTTGACAA  
 AAGAAACAAGAAAGTGTTCAGTGTGATGGAGGATCTCTACAACACATAAAATCCGCACAACGGCAG  
 ACACTCTCCCATGGTGGCCAGCTCAACACTCGACATTGTTATGGCCAATAAGGATCGCCTGAATTCTGCC  
 ATTATCTATGACCGAGATTTCTCTTATAACTACTTTGGCTTAAAGACTGGAACGGTCAATTTGTTGA  
 AGATCAATGGTAAAGTGGCTGAAAGACCACAGCATATGTTGATGAGGGTTTCTGTGGGATTACAAAAGA  
 AGATATTGATGCTGCAATTGAAACCTACAACCTACTTTCTGAGAAGTGGTCACTCATGCCTCTCCTACT  
 CTCTTCAATGCTGGGACCAACCGCCACAGCTGTCTAGCTGTTTCTCTTGTAGTATGAAAGATGACAGCA  
 TTGAAGGAATTTATGATACTCTGAAGCAGTGTGCCTTGATTTCTAAGTCCGCTGGGGGAATTGGTGTTC  
 TGTGAGTTGATTCGGGCCACTGGTAGCTACATCGCTGGGACTAATGGCAATTCTAATGGCCTTGCCCA  
 ATGCTGAGAGTATAAACAACACAGCTCCCTATGTGGATCAAGGTGGAACAAGCGCCAGCGCGTGTG  
 CTATTTACCTGGAGCCTTGGCACTTAGACATCTTTGAGTTCCTTGACTTGAAAGAACAACAGGCAAGGA  
 AGAACAGCGAGCACGCGATCTCTTCTTGGCACTTTGGATCCCAGATCTCTTCATGAAGCGAGTGGAGACT  
 AACCAGGACTGGTCATTGATGTGTCCCAATGAGTGTCTGGTCTGGACGAGGTCTGGGGAGAGGAGTTTG  
 AGAAGTTATATGAAAGTTACGAGAAGCAGGGTCTGTCCGAAAAGTTGTAAGCTCAGCAGCTTTGGTA  
 TGCCATCATTGAGTCCCAGACGGAGACCGGTACCCCATACATGCTCTACAAGATTCTGTAAACCGAAG  
 AGCAACCAGCAGAACCTGGGAACCATCAAATGCAGCAACCTGTGTACAGAAATAGTAGAGTACACCAGTA  
 AGTACAGGTTGCAGTTTGTAACTTGGCTTCTCTGGCTCTGAATATGTATGTCACACCGGAACATACGTA  
 TGACTTTGAGAAACTGGCAGAAGTCACTAAAGTCAATTGTCCGAAATCTGAATAAAAATAATTGATATAAC  
 TACTACCTATTCCAGAGGCACACTTATCAAATAAACGCCATCGGCCATTGGAATTGGGTACAAGGTT  
 TAGCAGATGCTTTCATCCTGATGAGATACCCCTTTGAGAGCCAGAAGCCAGTTATTAATAAGCAGAT  
 CTTTGAACCATTTACTATGGAGCCCTGGAAGCCAGCTGTGAACTAGCCAAGGAGTATGGCCCTATGAA  
 ACGTATGAGGGATCTCCAGTCAAGGGTATTCTTCAATGATGACATGTGGAATGTTGCTCTACAGACC  
 TGTGGGACTGGAAGCCTCTCAAGGAGAAGATTGCAAAGTATGGTATAAGGAACAGTTTACTTATTGCCCC  
 AATGCCTACTGCTCAACTGCCAGATTCTGGGAATAATGAGTCCATTGAGCCTTATACCAGTAACATC  
 TACTCTGAAGAGTCTTGTCAAGGGAATTTCAAGTGTGAAATCCTCACTTACTGAAAGATCTTACTGAGC  
 GGGGCTTGTGGAATGAAGAGATGAAAAATCAGATTATTGCATGCAATGGCTCCATTTCAGAGCATACCAGA  
 AATTCCTGATGACCTGAAGCAACTCTATAAGACCGTGTGGGAAATCTCTCAGAAGACTGTTCTCAAGATG  
 GCAGCCGAGAGAGGTGCTTTCATCGATCAGAGCCAGTCTTTAAACATCCATATTGCTGAGCCCAACTATG  
 GCAAACTCACTAGTATGCACTTCTACGGTTGGAAGCAGGGTTAAAGACTGGAATGTATTACTTAAGGAC  
 GAGGCCTGCCGCTAATCCAATCCAGTTCCTCTGAACAAGGAAAAACTGAAAGATAAGGAAAAGGCACTG  
 AAGGAGGAGGAGGAGAAGGAGAGGAACACAGCAGCCATGGTGTGCTCTTTGGAGAACAGAGAGGAGTGCC  
 TGATGTGTGGATCCTGAGAAAAGCGGGGCTGGGAGACGACGCGGGCTCTCTGCCCGCAGAGGCAGACG  
 ATTTGAGCATAGATAGGATAGTGGTTTTGCTTGGTTATCAGCAGCTCTGCTTGGACGTGCTGCCAGGAC  
 AGGGAGCCACGACTTACAGTACTGTTTCTACACAGTGAATAATCATTTTTAACAACAGAAAACCAAAG  
 CCAGCTTTGATATTAGGAATCAAGGTAGAGGCTTTGGGAATACTAAAGAGCCTTCTGCAATAGTGAGG  
 AGACTTAGGAAGTCTCGTCTCTCCAGCTTTCCCTGCCTGGCCATTCTCAGTTTGGGCAAAGAGATTTAGT  
 TTGATTTGACTGATTGCCTAGAAGTAAATCAAGCAATTACTCATCAGCTAAAGACCTTTGTCTAGACAA  
 ACTTCTATAGGTCATTTGAAATAAACATTTCTAAGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_009103  
**Insert Size:** 2379 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC016450](#), [AAH16450](#)

**RefSeq Size:** 3003 bp

**RefSeq ORF:** 2379 bp

**Locus ID:** 20133

**UniProt ID:** [P07742](#)

**Cytogenetics:** 7 54.72 cM

**Gene Summary:** Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides.[UniProtKB/Swiss-Prot Function]