

Product datasheet for **RN214738**

Rrm1 (NM_001013236) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rrm1 (NM_001013236) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rrm1
Synonyms:	MGC94742
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214738 representing NM_001013236
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCATGTGATCAAGCGAGATGGCCGCCAAGAGCGAGTTATGTTTGACAAAATTACATCCCGAATCCAGA
 AACTCTGTTATGGACTCAATATGGACTTTGTGGATCCTGCTCAGATCACCATGAAAGTAATCCAAGGCCT
 ATACAGTGGGGTACCACAGTGGAACTGGACACCTGGCTGCTGAGACAGCTGCCACCTTGACTACGAAAG
 CACCCTGACTATGCCATCCTGGCAGCAAGGATCGCTGTCTCTAACTTGACAAAGGAAACAAAGAAAGTGT
 TCAGTGACGTGATGGAGGATCTCTACAACACATAAAATCCACACAACGGCAGACATTCTCCCATGGTGGC
 CAGCTCAACACTCGAGATTGTTATGGCCATAAAGGATCGCTGAATTCTGCCATTATCTATGACCGGGAT
 TTCTCTTACAACACTTTGGTTTTAAGACTGGAACGGTCATATTTGTTGAAGATCAATGGAAAAGTGG
 CTGAAAGACCACAGCACATGTTGATGAGGGTATCTGTGGGGATTACAAAAGAAGATATTGATGCTGCAAT
 TGAACATACAATCTACTTTCTGAGAAGTGGTTACTCACGCCTCTCCGACTCTCTCAATGCTGGGACC
 AACCGCCACAGTTGCCAGCTGTTTCTCTTGTAGTATGAAAGATGACAGCATTGAGGGGATTTATGATA
 CTCTGAAGCAGTGTGCCTTGATTCTAAGTCTGCTGGAGGAATTGGTGTGCCGTGAGTTGTATTCCGGC
 CACTGGCAGCTACATTGCTGGGACTAATGGCAATTCTAATGGCCTTGCCCAATGCTGAGAGTCTATAAC
 AACACAGCTCGTTATGTGGATCAAGGTGGAACAAAGCGCCAGGGGCATTTGCTATTTACCTGGAGCCTT
 GGCACCTGGACATCTTTGAGTTTCTTGACTTGAAGAAGAACACAGGCAAGGAAGAACAGCGCGCGCGGGA
 TCTCTTTTGCAGTGTGGATCCAGATCTCTTCATGAAGCGAGTGGAGACCAACCAGGACTGGTCACTG
 ATGTGTCCCAATGAGTGTCTGGTCTGGACGAGGTCTGGGAGAGGAGTTTGAAGTATATGAAAAGTT
 ACGGAAGCAGGGCCGTGCCGAAAAGTTGTGAAGGCTCAGCAGCTTTGGTACGCCATCATTGAGTCTCA
 GACGGAGACGGGCACCCATACATGCTCTACAAAGACTCCTGTAACCGGAAGAGCAACCAGCAGAACCCTG
 GGAACCATCAAGTGCAGCAACCTGTGCACAGAGATAGTAGAGTACACCAGTAAAGATGAGGTTGCGGTTT
 GTAACCTGGCTTCTGCTGCTGAACATGTATGTACACCAGAACACACGTATGACTTTGAGAAAAGTGGC
 AGAAGTCACTAAAGTCATTGTCCGAAATCTGAATAAAATAATTGATATAAACTACTATCCTATTCCAGAG
 GCACACTTATCAATAAACGCCATCGGCCATTGGAAATGGGGTACAAGGTCTAGCAGATGCTTTTCACTC
 TGATGAGGTATCCCTTTGAGAGCCAGAACCCAGCTACTAAATAAGCAAATCTTTGAAACCATCTATTA
 TGGAGCCCTGGAAGCCAGCTGTGACCTAGCCAAGGAGTATGGCCCTACGAAACGTATGAGGGATCTCCA
 GTCAGCAAGGGTATTCTCAGTATGATATGTGGAATGTTACTCCTACAGACCTGTGGGACTGGAAGCTTC
 TCAAGGAGAAGATTGCAAAGTACGGTATAAGAAACAGTTTACTTATTGCCCAATGCCTACTGCTTCAAC
 TGCTCAGATTCTGGGGAATAATGAGTCCATTGAGCCTTACACCAGTAAACATCTACACTCGCAGAGCTTG
 TCAGGAGAATTTAGATTGTGAATCCTCACTTACTGAAAGATCTTACTGAGCGGGCTTGTGGAATGAAG
 AGATGAAAAATCAGATTATTGCCTGCAATGGCTCCATTAGAGCATACCAGAAATTCCTGAGGACCTGAA
 GCAGCTCTATAAGACCGTGTGGGAAATCTCTCAGAAGACTGTTCTCAAGATGGCAGCCGAGAGAGGTGCT
 TTCATCGATCAAAGCCAGTCTTTAAACATCCATATCGCTGAGCCCACTATGGCAAACCTCACTAGTATGC
 ACTTCTACGGTTGGAAGCAGGGTTTAAAGACTGGGATGTATTATTAAGGACAAGACCTGCCGCTAATCC
 AATCCAGTTCACCTCTGAACAAGGAAAAGCTGAAAGATAAGGAAAAGGCACTGAAGGAGGAAGAAGAGAAG
 GAGAGGAACACAGCAGCCATGGTGTCTTTGGAGAACAGAGAGGAGTGTCTGATGTGTGGATCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013236
Insert Size: 2379 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).
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_001013236.1</u> , <u>NP_001013254.1</u>
RefSeq Size:	3038 bp
RefSeq ORF:	2379 bp
Locus ID:	685579
Cytogenetics:	1q32
Gene Summary:	putative ribonucleotide reductase enzyme; human homolog encodes an enzyme required for production of deoxyribonucleotides prior to DNA synthesis [RGD, Feb 2006]