

Product datasheet for **MC201990**

Rprd1b (NM_027434) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rprd1b (NM_027434) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rprd1b
Synonyms:	2610304G08Rik; 2810446G03Rik; Crept
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>BC028819 sequence for NM_027434
CGGACGCGTGGGGCGCGGGCGGCTGTTACTGCGGAGACCTGTCCCTCCCCCACCTGGTACCCCGAGCT
GTCTGTCACTCGGCGGAGAGCCCTGCAGCCTGTACGCGGAGGCCTGGGCCGAGTGCAGGTCGCTTTCCCG
TCTCATCGGGCGGCCGGGCTGTCCCCACCACCGCCACCATGTCTCTTCTCAGAATCGGCGCTGGAA
AAGAAGCTCTCAGAGCTGAGCAACTCTCAGCAGAGCGTGCAGACCCTCTCCCTGTGGTCCATCCACCACC
GCAAGCACGCAGGACCCATCGTCTCCGTGTGGCACCAGGCTCCGCAAAGCCAAATCAAATAGAAAGCT
TACTTTTCTATACTTAGCAAAATGATGTCATCCAAAACAGTAAAAGGAAAGGACCTGAGTTCACAAGAGAA
TTTGAGTCTGTGCTTGTGGATGCTTTTTCTCATGTTGCCAGAGAGGCAGATGAAGGCTGTAAAAACCTT
TAGAAAGATTGCTGAACATCTGGCAAGAACGAAGTGTGTACGGCGGCGAGTTCATACAGCAGCTGAAGCT
GTCTATGGAGGACTCCAAGAGCCCTCCCCCAAAGCAGCAGAAGAGAAGAAGTCTCTAAAACGAACCTTT
CAGCAGATACAAGAGGAGGAAGATGATGACTACCCTGGAAGTACTCTCCCAAGACCCTTCTGCAGGCC
CTCTCTTGACTGAGGAGTAAATCAAAGCTTTCAGGATCTGAAAATGCTGCGTCAGGGGATGCTACTGT
CCGACAGAAGATCGTTCCTGCCTCAGGAAGTCAAGACGTGTCGCTGTAGAGAAAATTACAGACAAA
GAGGCAGCTGAACGTCTTTCAAACAGTAGATGAAGCATGTCTGTTACTAGCGGAATATAACGGGCGCC
TGGCAGCGGAACGGAAGACCGGCCAGCTGGCTCGGATGCTGGTGAATACACCCAGAACCAGAAAGA
GGTTTTGTGCAAAAAGAGAAAAAACTAGAAGAGTATAAACAGAAAGCTTGCCTCGAGTAACCCAGGTCGCG
AAGGAACTCAAGTCCCACATTACAGACTTGCAGACCTTTCGCTGTTGCCTAATGTCACAGGGGGCTGG
CACCTCTGCCCTCTGCTGGTGACCTTTTTCAACTGACTAGGACAGGTATCATGCCCCAGGTTCCCATGT
GTGCCAGAGAAAAGAAGCAAGTCACTGTGGAGACAGTCCCTGCCCCAGCTCCATCTCTTCAGCCAGCA
TCTGCCTCAGTAATGAAGCGGGGAACCTGACTTCTTACTCTCTCCGGCTCCCTCTGAGCATGGTTCAG
AGCCATGCAGATGGACTCAGTTTTGATTCATATTTGCTAAGAACACAGACTCTCCCTCCCACTCATGTCT
CTTGCCACTGCTGCTTTCCATCTTTCGCTCTTACACCCATAAGCCATGAAAAATCATGTGACTTCTG
GAAGCTTCAAGAGAGGCTTGCCTCAGTGACGCACATGCCATGGAAGTCTGAGCTGGCTTGCACAGGT
TCAGAACAGGCTCCCAATGAGGACTCAGGCTGCAGGGATTGGGCTTTCCTGGCCACCATTGCTCACAAAG
TGGCAGCATAGCTTTGCCACAAAGAGTTTGCCTAATTGCCGACATTTCTGATCTAAAACACTTCTGTTA
GAGAAAGTGTGTCATGGTTAGGTGTGTTATTTTTCGAGCATTCTAGAGAATCCAACAGTAAGATTGAA
GCTGATCTGAGACAAAGTTATAGCGCAGGTACAGAGTGGCAGGGCTCACAAAGTCAATTTGCCAGGCTTCTC
ACCACAGCCTTCCCTGCCACATTGCTCCAGGGTCCCCAGTTTCAGAGCACCTTCTAAAGCAGGACCCTC
TGTCCTTGGGGCTGGGAAGGGAGCTGTTGGGATAGCATGCCAGGCTGATAACTGCTCCACAGCTGGAG
TCTGGGCTCTCGTGCATGTTGCTCTCACCCGAAGCTTACAATAACGCCACCATGTGACGCATCCACAG
CATGGTACTGGACTTGAACATCTCTACAGATAGGACACTGAGCGTGCCAGGCAGTTCCTGCCACTATAT
GCATCCTTGTCTCCATGCAGAGAGAGGAGTACTCAAACAACCTCACCTCCAGCAGAGGAAGGGAGTGGAGG
GAGACTAATTTGGGGTTGAATCCATTATCATGCCAGCTGACATTATGACTGAATGATGTAGTTGCGATT
TTTACGCTAGTAAAGAGTGGGCTGGCCCTGGAATGACTGTAATCTGGCAGGCTTATATTTGACATTG
GAAAGGGCAGAAACCAATTTGTCCTACTAGTGTGATAGGAATTGTGCGCCAGAGCTGAAGTCCAAAAGCC
ATAAGAAGGAATTCAGTGAAGGGGCTGAGAAGCTTCGTTGCTTAAAGTTGCTGTTTTTTCAGGATCACAA
AAAAAAAAAGCACACATCGTTTTTACACGTTAAAGCAAATCTGTGTGTACCAAATAGGCAGGCTTTGGTT
GAAGAAGCCGCCCCACCTGCTATGAGATGGGACTCAGTCCACTCTGTCCAGCCTGGTCTTCGTGGAAGC
TGTTATTCACAGAGTGCAGGCTGCTGTTTGTCTTCACTCTGCCTTTTCTGTGACAGCATCTTTTTCTCCA
GAGGTTACAGGACAGCACTGACTCAGGTGAAACCCTGTCTCTGCTGCGGAACACCTCCCTACACACCAC
GCCACTTACTGTACATGCACACACCCTCTGAACACCCTCCAGACACTGCTTTCCACAAAACAGACC
AAAAGACTGTAGCAGCTCTGCTCTGATGACAACTTAGTGGGGTCACTCAATGGTGTGTTATTTCTTTGGAG
TCTCTGACCAGCAATCAGTGCCTAACTCTTACAGCAGGATCAAGACGTGACCAAGTATGTAAT
GAATGTGTTGGCCTCATTACACCACTTCCAGCAGATTTCTGTGAGGAAGTTAGTTTCGTTTTAATGAAA
TGCTTCAGTTTTAATCTTCTTGTGTGCTCCACCATGCCCCAGTCTCCCAACTGTGTGCGAACT
TCCCTTGTTAACCTAAGTGAACCTTTTGTCCCTGAGAGTTGATCTGGCGGGTGGGGTGGGTGACTTCTG
GTTTTGTGTTTTCTTAGGGCATCCGTAGGCCTCAAGGATCTTTCTTTAGGGTCATATTCCTCAGAAAGT
CTTCAGTCTTTCTTTGTTTTGTTTTGTTTTCTTAAAGGATATTTTTAAAGCTTAAATTTGTATATTA
TTTAGGACTTTATTTAGAAGTATAGGCTGTCATTGGTGGCAGCAGTATATTCTGAAATGTCTCATAGATA
TATATTTTTGAATAAAGATGGTGTGTTGAAACAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

Restriction Sites:	RsrII-NotI
ACCN:	NM_027434
Insert Size:	981 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:	BC028819 , AAH28819
RefSeq Size:	3490 bp
RefSeq ORF:	981 bp
Locus ID:	70470
UniProt ID:	Q9CSU0
Cytogenetics:	2 H1
Gene Summary:	<p>Interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD. Transcriptional regulator which enhances expression of CCND1. Promotes binding of RNA polymerase II to the CCND1 promoter and to the termination region before the poly-A site but decreases its binding after the poly-A site. Prevents RNA polymerase II from reading through the 3' end termination site and may allow it to be recruited back to the promoter through promotion of the formation of a chromatin loop. Also enhances the transcription of a number of other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A. Promotes cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p>