

Product datasheet for MC201180

Rbl2 (NM_011250) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbl2 (NM_011250) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rbl2
Synonyms: p130; PRB2; Rb2; RBR-2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC020528 sequence for NM_011250
CGCGGTTTGAATGGCTGCGGGCCCGGCCCTGAGTGCATCTGAAGAGCCGCGGCCTCGGGTGCGCCATG
GCATCTGGAGGCAACCAGTCGCCACCGCCTCCTCCAGCTGCTGCAGCCAGCTCGGAGGAAGAGGAGGAGG
ATGGCGACGCGCGGATCGCGCGCAGCCCGCGGGTCCCGAGCCATCAGATCCAGCAGCGTTCCGAGGA
GTTGTGCAGCCGCTCAACATGGACGAGCGCGCGCGAGGCTGGAGCAGTTACCGCAGCATGAGC
GAGAGCTACACGCTGGAGGAAATGACCTTCATTGGTTAGCATGTGCCTTATATGTGGCTGCAGAAAAT
CTGTTCCAACGTGAGCAAAGGGACCGTGAAGGAAACTATGTATCTTTAACCAGAATCCTTCGCTGTT
GGAGCAGAGCCTAATTGAATTTTTTAACAAGATGAAGAAGTGGGAAGACATGGCAAATCTGCCCCACAT
TCCGAGAACGTACTGAAAGATTAGAAAGAACTTCAGTGTCTGCTGTGATTTTTAAGAAATATGAAC
CCATTTTTCAAGACATTTTTAAATATCCCAAGAAGAACAGCCTCGCCAGCAAAGAGGAAGAAAACAGAG
GCGACAGCCCTGTACCACATCAGAAATTTCCATTTTTGCTGGGTGCTTTTTATATATGCGAAAGGGAAC
TTCCCATGATTAGCGATGATCTGGTCAATTCCTACCATCTTCTGCTGTGCGCATTAGATTTAGTCTATG
GAAATGCCCTTCAAGTGTCTAACCGTAAAGAACTTGTGAACCCTAATTTAAAGGCTGTCCGAGGACTG
TCACCCAAAGGACTCTAAAGCGTCTCCGACCCGCGTGTGTCATTGAGAAGCTCTGCTCCTTACACGAC
GGTCTAGTGTGGAGGCCAAGGGGATAAAGGAACACTTCTGGAACCCCTATATTAGGAACTGTTTGAGA
AAAAGCTTCTCAAGGGGAAGGAAGAAAATCTTACTGGCTTCTGGAGCCCGAACTTTGGAGAGAGTTT
TAAGGCCGTTAATAAGGCATATGAAGAATACGTGTTAGCCGCTGGGAATCTGGATGAACCGTATTCCCT
GGTGAGGATGCTGAGGAGGAAGTTGGACTCTGTCTCGGTGTCTAAGTGTGCCTCAGGTACAGAGAGTG
CTGAACGGACGCAGATGACAGACATCTTGACAGCAGCATTTGACAAGTCTAAAGCACTTAGAGTCTGCAC
ACCACTGACTGGCGTGAGGTATGTTTCAGGAGAACAGCCCGTGTGTGACTCCAGTCTCCACAGCTGCACAC
AGCCTGAGCCGTTTACAGCATGCTGACCGGCCCTCAGGAATGCACCCAGTGAGAAGCTGGAGCAGATAC
TCAGGTGATGTTCCCGAGATCCAACCTCAGGCTATCGCTGACAGATTGAAAGAAATGTACGAAATATATTC
TCAGCATTTCCAGCCAGATGAGAATTTTAGTAATTGTGCTAAAGAAATTGCCAACAAACATTTTCGTTTT
GCAGAAATGCTCTACTATAAAGTATTAGAGTCTGTTATTGAGCAAGAACAAGAAAGATTGGGAGACATGG
ATTTATCTGGTGTCTGGAGCATGACGCATTCCACAGGCTACTCTGGCCTGCTGCCTTGAGGTGGTCGC
TTTTTCCATAAGCCTCCTGGGAATTTCCATTTATTGCTGAAATATTTGATGTACCACATTATCATTTT
TATAAGGTAATTGAAGTATTTATTAGAGCAGAAGACGGTCTTTGCAGAGAAGTGGTCAAACACCTCAATC



[View online »](#)

```

AGATTGAAGAACAAATTTTAGACCATTTGGCATGGAAAACCAAGTCCCCACTGTGGGACAGAATTAGAGA
TAATGAAAACAGAGTCCCTACTTGTGAAGAGGTATGCCACCTCAAAACCTAGAGAGAACAGATGAAATT
TACATCGCTGGCTCTCCCTTAACCCCGAGAAGGGTGGGTGAAGTTCGTGCTGATGCTGGAGGACTTGGAA
GAAGTATAACGTCTCAACCACATTGTATGACAGGTACAGCTCCCCAACAGTCAGCACTACTAGAAGGCG
GCTATTCGAGAATGATAGTCCCTCTGAAGGAAGCACATCTGGGCGCATCCCCCAACAACCCCTAGTCAAC
GCTGTCCCCGTGCAGAATGTACCTGGGGAGACTGTTTCTGTACACACCAGTTCCTGGACAGACCTTGGTCA
CCATGGCAACAGCCACTGTCACGGCCAACAATGGACAAACAGTGACCATTCCAGTCCAAGTATTGGCCAA
CGAAAATGGAGGGATAACCTTCTCCAGTCCAAGTCAACGTTGGGGGCCAGGCCAGGCTGTCCGCTGGC
TCTATCCAGCCCCTCAGTGCTCAAGCACTGGCTGGAAAGTCTGAGTTCCTAACAGGTGACAGGAACCACTT
TGCAAGTCCCTGGTCCAGTGGCCATTCAACAGATTTCCCTGGTGGACAACAGCAGAACCAGGCCAGCC
ACTAACAGCAGCAGTATCCGGCCACGGAAGACTAGCTCCTTAGCGCTCTTCTTTAGAAAGGTTTACTAC
TTAGCCGGTGTCCGCTTCGAGATCTTTGTATAAACTAGATATTTAGATGAACTGAGGAAAAAATTT
GGACCTGCTTTGAATTCTATAATCCAGTGCACCGAATTATGATGGACAGACATCTGGACCAGCTGTT
GATGTGTGCCATTTATGTATGGCAAAGGTCACAAAAGAAGACAGGTCTTCCAGAACATCATGCGTTGT
TACAGGACTCAGCCACAGGCCCGAGCCAGGTGTACAGAAGTGTCTTGATAAAAGGGAAAAGAAGAACT
CTGGCAGCAGTGAGAGCAGAAGCCATCAGAATTCCTCAACCGAACTAAATACAGACAGAGCCAGTAGAGA
TTCCAGCCAGTGATGAGGTCAAACAGCACCTACCAGTTCACAGCCCAGCAGTGCCCTCCTACACCA
ACTCGACTCACGGGTGCCAGCAGTGACGTTGAAGAGGAGGAACGAGGAGACCTCATTAGTTCTACAACA
ACATCTATAGGAAGCAAATCCAAGCGTTTGCCATGAAGTACTCGCAGGCAAACTCGCAGACGGACTCC
TCCCTCTCTCCCTATCCATTTGTAAGAACAGGCTCCCTCGCCGAGTACAGTTATCTCAAAGTCATCCT
ATCTACATTTCCACATAACAATGAAGCAATGCCTTCTCCTCGAGAGAAGATTTTTACTACTTCAGCA
ACAGCCCATCAAAGAGACTGAGGGAAATCAACAGCATGATACGGACAGGAGAGACTCCAATAAAAAGAG
AGGATTTCTTTGGACGACGGAAGTGAATCACCTGCAAAAAGAATCTGCCAGAGAACTACTCTGCTCTG
TTACGTCGTCTCCAGGATGTGGCGAATGACCGAGGTTACAGTGAGGTTAGTGTCCAGGAGGAACTGTC
TTCACATGAACTGGTTAGCAGGACTTAGTGCATGCAGGACTATGGAACCTTGCTCCTGAATCCAGCAACT
GATTAGAGGAGGGGATAAAAAGGGAAGCGCTTCTGACTCAGTGTGGCAGCAATGCCTGGTATCCCATCAC
CCAAGGGGTAGGGGACAAGAGGACCAGGAGTTTAAAGCCAACCTGAACAATACAGCATGTCTGAGGGCAA
CTTGACTACGTGAACCTTACTCAAAAACAAGAACCGGAAGGGACGTTTTGGTAAGAAATCAGACTT
ATCTCACTGTCTTAGACTATTTTTATCCAGTTGCCTTCTCCTACTTAGTGCTTACCTTCAACACG
GCTCAGAAATCAAACCTGGGTTTTGAACTCTGGCAAACCTTTACAAGTACTGCAGGAAGCAAATCTTTA
GAGGCTTTTGTAGGTAGGCCCCAGGAGAGGAACTGTATTTAAATTCATTTCCACTTGCATATGGTTAGGT
CCAACCATGTGTTTTAGGATGAAAACCCAGAGACATTTACAAACAGAACAAGAGGGGATGGCCCCGACCT
GGAAGTGTCCAGGCCCTGGCCTAAGGCTCCTGATCCCTTGAGCACTCACTCTCCCTTCCCCAGTAGGTAC
TGTACAGTGTGAAAGCGTGCAATGTCTGAAGGAACCTGTGTAATTGGTGGCACTTTATGGCTGTAAGATG
CATAGCATTGTGACCCAGGGTTTGTGTATATTTATGATGGCACTTTCTATGGTGTGAACTTTGGTAGGT
ACAAGCCTTAGGCTAAACAGCTAATAATTTCTTTAATGCTTTTCTTAAAAGACTGCTGATATAGCTACA
TGTTCTGGCCACATGTAAAAACCTTCCATTTGTGGTAGTGGCATTACATAGGGATCATTTAGCTAAGTAA
AGATTTTTAAGTCAAGTTGAATTGAGAGTATTTGAAAAGTTTTGACCCCTTCTTTTGAAGTAGTTATC
CCAAAGAAACTATCTTTGAGGGTATTCCTGGAAGTTAAAAAATAGGTTGGAGAAGTGGGTTTTTATTA
GTACATAGTACCATTTATACAAATTAGAAAATTTTAAACAGCTATTGATTATCTACGCATATCTTTATT
AATCATTATTGTTGGATTAATAATCCTAAGGAGAAAATCAATTGTAATTGGATCATGATAAACCAAGT
TACTAGGTAACCTCATGTGCTCTACAGCACCCAGCTGAGGACCTACAGCCTGGCACTCCCCCCCCACCA
CAGAGTAGTGCTGTGCAGAGTACTTAGAAAACCTTAGTACCGCTACTGTAATTTTATAGAAAATATGTG
TATTTTTCAATAAAGCACTTATAAATTAAAAAAAAAAAAAA
    
```

Restriction Sites: RsrII-NotI
ACCN: NM_011250
Insert Size: 3408 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:	BC020528 , AAH20528
RefSeq Size:	4872 bp
RefSeq ORF:	3408 bp
Locus ID:	19651
UniProt ID:	Q64700
Cytogenetics:	8 44.25 cM
Gene Summary:	<p>Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>