

## Product datasheet for **RN202612**

### **Rbl2 (NM\_031094) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbl2 (NM\_031094) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rbl2  
**Synonyms:** Rb2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202612 representing NM\_031094  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCATCTGGAGGCAACCAGTCGTACCTCCTCCTCCTGCTGCTGCAGCCAGCTCAGAGGAAGAGGAGG  
AGGATGGCGACACCGGACCGGGCGCAGCCCGCAGGGTCCCCAAGCCATCAGATCCAACAGCGGTTTCGA  
AGAGCTGTGCAGCCGCTAACATGGACGAGGCGCAGGGCCGAGGCCCTGGAGCAGCTACCGCAGCATG  
AGCGAGAGCTACAGCTGGAGGAAATGATCTCCATTGGTTAGCATGTGCCTTATATGTGGCTTGCAGAA  
AATCTGTTCTACTGTGAGCAAAGGGACTGCTGAAGGAAACTATGTGTCTTAACTAGAATCCTTCGATG  
TTCTGAGCAAAGCCTAATTGAATTTTTTAAACAAGATGAAGAAGTGGGAAGATATGGCAAATTTACCCCA  
CACTTCCGAGAACGAACCGAAAGATTAGAAAGAACTTCACTGTCTCCGCTGTGATCTTTAAGAAATATG  
AACCCATTTTTCAAGACATTTTTAAATATCCCCAAGAAGAACAACCTCGCCAGCAAAGAGGAAGAAAGCA  
GAGGCGACAGCCCTGTACCACATCTGAAATTTTCCATTTTTGTTGGGTGCTTTTTATATACGCAAAAGGA  
AACTTCCCATGATCAGTGATGATCTGGTCAATTCCTACCATCTCTGCTGTGTCAGTATAGTTAGTTT  
ATGGAAATGCCCTACAATGCTCTAACCGGAAAGAACTTGTGAACCCTAATTTTAAAGGCGTGTCCGAGGA  
CGCCACCCAGGACTCTCACCCGCTCTGATCCACCGTGTGTCATTGAGAAGCTCTGCTCCTTACAC  
GACGGCTAGTGCTGGAGGCAAAGGGGATAAAGCAGCATTTCTGAAACCCTACATTAGGAAGCTTTTTG  
AAAAGAAGCTCCTCAGGGGAAGGAAGAAATCTCACTGGCTTCTGGAGCCCGGAACTTCGCAGAGAG  
CTTTAAGGCTGTTAATAAGGCGTATGAAGAATACGTGTTAGCCACTGGGAGTCTGGATGAGCGGATATTT  
CTTGGCGAGGATGCGGAGGAGGAAGTTGGAACCTTCTCACGGTGTGAAGTGTGCTCGGGCACAGAGA  
GTGCCGAACGAACGCAGATGAGAGACATCTGCAGCAGCATCTTGACAAGTCTAAAACACTTAGAGTCTG  
CAACCCACTGACTGGCGTGGGTATGTTCAAGGAGAACAGCCCTTGTGTGACTCCCGTCTCCACAGCAACA  
CACAGCCTGAACCGTCTCACACCATGTGCGCCGCTCAGGAATGCACCCAGTGAGAAGCTAGAACAGA  
TACTCAGGTGATGTTCCGAGATCCGACTCGGGCTATCGCTGACAGGTTGAGAGAGATGTATGAAATATA  
TTCTCAGCATTTCCAGCCAGACGAGAATGTTAGTAATTGTGCTAAAGAAATGGCCAAACAACACTTTCGT  
TTTGCAGAAATGCTTTACTATAAAGTATTAGAGTCTGTTATTGAGCAAGAACAGAAGAGATTGGGAGACA



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TGGACTTATCTGGTGTCTGGAGCAAGATGCATTCCATAAGTCACTCCTGGCCTGCTGCCTTGAGGTGGT
CGCTTTTTCTATAAGCCTCCTGGAAATTTCCATTTATTGCTGAAATATTTGATGTACCACATTATCAT
TTTTATAAGGTAATAGAAGTATTTATTAGAGCAGAAGACGGTCTTTGCAGAGAAGTGGTCAAACACCTCA
ATCAGATTGAAGAACAATTTTAGACCCTGGCATGGAAAACCAAGTCCCCACTGTGGGATAGAATTAG
AGATAATGAAAACAGAGTCCCTACATGTGAAGAGGTTACACCACCTCACAACTAGAGAGAACAGATGAA
ATCTATATTGCTGGCTCTCCCTAACTCCGAGAAGGGTGGTGAAGTTCGCACTGATGCTGGAGGACTTG
GAAGAAGTGTGACATCTCAACCACTGTATGACAGGTACAGTTCCCCAACAGTCAGTACTACTAGAAG
GCGGCTATTTGAGAGTGACAGTCCCTCTGAAGGAAGCACGGCTGGGCGCATCCCCCACAACCCCTAGTC
AATGCTGTCCCTGTGAGAATGTATCTGGGAGACTGTTTCTGTACACCAGTTCCTGGACAGACCTTGG
TCACCATGGCAACAGCCACTGTACAGCCAACAATGGACAAAACAGTGACCATTCCAGTACAAGGTATTGC
CAACGAAAATGGAGGGATAACATTTCTCCAGTCCAAGTGAATGTTGGGGCCAGGCACAGGCTGTGACT
GGCTCTATCCAGCCCTCAGTGTCAAGCGCTGGCTGGAAGTCTGAGTTCACACAGGTGACAGGAACAA
CTTTGCAAGTCCCGGTCCGGTGGCCATTCAACAAATTTCCCTGGAGGACAACAGCAGAACCAAGGCCA
GCCGTTAACAGCAGCAGTATCAGGCCTCGGAAGACTAGCTCCTTATCACTTTTCTTTAGAAAGGTTTAC
TACTTAGCTGGTGTCCGCTTCGAGACCTTTGTACAAAACAGTATTTTCAGATGAAGTGGAGAAAAAA
TTTGGACCTGCTTGAATTCCTATAGTCCAGTGTCTGAACTTATGATGGACAGACATCTGGACCAGTT
GTTAATGTGTGCCATTTACGTGATGGCAAAGGTCACAAAAGAAGCAAGTCCCTCCAGAATATCATGCGC
TGTTACAGGACTCAGCCACAGGCCCGGAGCCAGGTATACAGAAGTGTCTTGATAAAAAGGGAAAAGAAGAA
ATTCTGGCAGCTGTGAGAACAGAAGCCATCAGAATTCTCCAACAGAACTAAATACAGACAGAGCCAGTAG
AGACTCCAGTCCAGTTATGAGGTCAAACAGCACCTTACCAGTTCACAGCCAGCAGTGGCCCTCTTACA
CCAACCTGACTCACAGGTGCCAACAGTGACATTGAAGAGGAGGAAAGAGGAGACCTCATTAGTTTCTACA
ACAACACTACAGGAAACAAATCCAACGTTTGCCATGAAGTACTCACAGGCAAACTCCCAAATGGACAC
CCCTCCCTGTCTCCCTATCCGTTTGTGAAGAAGGGCTCCCTCGCCGAGTACAGTTATCTCAAAGTCA
CCTATCTACATTTCCCCACATAAAAACGAAGCAATGCTTTCTCCTCGAGAGAAGATTTTTACTACTTCA
GCAACAGCCCATCAAAGAGACTGAGAGAAATTAACAGTATGATACGGACAGGAGAGACTCCAACAAAAA
GAGAGGGATTCTCTGGACGATGGAAGTGAATCGCCTGCAAAAAGAATTTGCCAGAAAATCATTCTGCT
CTGTTACGTCGTCTCAAGATGTAGCTAATGACCGAGGTTACACTGA
```

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_031094

**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:**

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\\_031094.1](#), [NP\\_112356.1](#)  
RefSeq Size: 4861 bp  
RefSeq ORF: 3408 bp  
Locus ID: 81758  
UniProt ID: [O55081](#)  
Cytogenetics: 19p11  
Gene Summary: member of the retinoblastoma gene family; contains an E1A-binding domain [RGD, Feb 2006]