

## Product datasheet for **MC224541**

### Prrc2b (NM\_172661) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prrc2b (NM\_172661) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prrc2b  
**Synonyms:** 5830434P21Rik; AI173903; Bat2l; Bat2l1; D430039P21; mKIAA0515  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224541 representing NM\_172661  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCGATCGTTTGGGGCAAATAACCCAGGGCAAGGATGGGAAAAGCAAGTACTCGACTCTCAGCCTGT  
 TTGACAAGTATAAAGGGAGGTCAAGTGGCGCTGTCAGGTCCTCAGTTATTCCTAGACATGGCTTACAGAG  
 TCTCGGAAAGTTGCCACAGCCCGCGTATGCCACCGCTGCAAACCTGCCAAGCCTGAAGTCTGAAAAC  
 AAAGGAAACGACCCCAACATCGTGATAGTCCCAAGGACGGGACAGGATGGGCCAAACAGCAGGACCCAGC  
 AAGACCCAAAGAGTTCAGTGTGACGGCTCTCAGCCGCGGAGTTCGACCCGCGAGCCGGGTTTGCAGAA  
 ATCTGTCTCCAATTTGCAGAAACCGACACAGTCTATCAGTCAGGAGAACAACAAATTCAGTGCCAGGTGGA  
 CCAAAGTCATGGGCACAGCTGAGTGGAAAGCCAGTCGGACACGAAGGTGGTTTAAGGGGCTCAAGCCGAC  
 TGTTATCCTTCTCTCCGAGGAATTTCCGACGCTGAAAGCAGCTGGAGGGCAGGACAAGGCTGGCAAAGA  
 AAAGGGCGCTTAGATCTGTGATGGGCCAGGACCAAGCCTCCGCCCTCAGAAATGTGACAAGCTGGAGG  
 GAGGGCGGTGGCGGAACATCATTTCTGCCGCTCTCTGAGCGCTCCCAACAGAGCTGGGCAGCAGGA  
 ACGCCAGTGGGCAGACGGAGCCCTTCCCTGGCATGCACAGCGATTCTAAGGAGCCCTCTCCGCC  
 AGCTCAGCCAGCCGAGAGGGGCTCCCAATTCATGGGGCAGGTTACAGCCACCCAGTACCATGAC  
 ATGCTCCAGCGTTTATGTGTTACACAGTCATCAGAGAACCAGACTACGGTGGAAACGAAGCTCTTTTC  
 CCCTTCTCAGCTCCGCCTGGAACCCCGTGTCTTTCCAGACAGTTCAGATGAACGACCAAGATGGGAA  
 AGAAAGGCCAGGCGTGGCACGGCCAGTGCGCCACTGAGGCAGCTGGTGGAGAGGGCACCAAGGCCACC  
 ATCATCAACGCGGAAAACCTGAAGGGCTTGGATGATCTGGACACTGATGCGGATGATGGGTGGGCAGGCC  
 TCCACGAGGAAGTGGACTATCCGAGAACTGAAGTTCAGTGATGATGAAGATGAGGAGGATGTTGTGAA  
 GGATGGCCGTCAAAGTGAACAACTGGGATCCAAGCGGCAGCGGGCGCTGTCATTGAGCTCTGCAGAC  
 AGCACTGACGCCAAGCGCACTCAGGAGGAAGGGAAGGACTGGAGTGAACAGCAGGTGGATCCCGTGTCA  
 TCCGAAAGGTGCCAGAGCCTCAGCCTCCTCCAGGAAGCTTACAGTTGGGCCTCTGGGCCCTGACTACCA  
 GAAACCCACAATGGGCAGCATGTTCCGCCAGCACTCCGCTGAGGACAAGGAGGACAAGCCACCCCAACGG  
 CAGAAGTTCATCCAGTCAGAGATGTCCGAGGCCGTGGAACGAGCCGAAAGCGCAGGGAAGAAGAAGAGC



GCCGGGCCGAGAGGAGAGGCTGGCTGCCTGTGCTGCCAACTCAAGCAGCTAGACCAGAAGTGCAGGCA  
 GGCTCAGAAGGCCAATGAGACCCCGAAGCCAGTGGAAAAGGAAGTCCCCCGATCCCCGGCATTGAGAAG  
 GTCTCCCCGCCAGAGAATGGGCTGTTGTCCGCAAGGCTCCCCAGAGTTCCTGTCCAAGAAGCACCCA  
 CCATGTTCTTGGAAAGAGACACCTGCAACATCCCCAACAGTCGCTCAGAGCAATAGCAGCAGCAGCAGTAG  
 CAGCAGTAGCAGCATCGAGGAGGAAGTCCGGGAGTCCGGTCCCCTGCACAGGAGTTCAGCAAGTACCAG  
 AAGTCCCTTCTCCCGTTTCCAGCGCCAGCAGCAGCAACAGCAGCAACAGCAGCAGCAGCAGCAGCAGC  
 AGGAGCAGCTGTACAAGATGCAGCACTGGCAGCCGGTCTACCCCCACCTTCTACCCCCAGCGCACCTT  
 CTACCCACACCACCCCGATGCTGGGCTTTGACCCACGGTGGATGATGATGCCTTCTACATGGACCCCA  
 CGCATACCCCGACACGGACGCCGTGGACTTCTACCCCTCAGCCCTGCATCCTTCAAGACTGATGAAGC  
 CCATGATGCCCAAGAGTCCCTCAGTGGGACTGGCTGTGCTCTGAAGATCAAACTGTGTGCCCTCGCT  
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 AACAAAGGCTACTCACTGCCACCCGAAGTCTGCTGACACTCTGGCCATGGGCATGCATGTCAGGTCTC  
 CAGATGAGGCCTTGCTGGAGGCCTTGGCAGCCATTACCCTATGCCTTGGAGAGAACACTCACGCCAG  
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 GAGCAGGAAGAGGCCCGAAGCAGTTTACCTGGGCTATGGAATGCTCTATTGACAACGCGCTCCA  
 GCCTGGGGAAGAGAATGAAGCAAGCTCTGTGGTGGGTGAAGGCTTCATTGAAGTCTGACCAAGAAGCA  
 GCGTGCCTGCTGGAGGAGGAGAGAAGAAAAAAGAACAGGCTGCTCAGGTGCCTGTCAAAGTCCGGGGC  
 CTTTATCCCCGATTCTCCTCGGTTTGTAAAAAGCAGAACGGCCTGTGTCTGGAGCAAGATGTGACTG  
 TGCTGGCAGCAGCCTGGGCACTGAGATCTGGGAGAACAGCAGCCAAGCCCTCCCTGTGCAGGGCCCGC  
 CAGTGACTCATGGAGGACAGCTGTCACTGCCTCAGCAGTACTGAGCCTGGCACCTCAGAGCAGGGGTTT  
 AAGAGCAGCCAGGGAGATAGTGGCGTTGACTTGAGTGTGAGTCTCGGGAGTCGCTGCGACCTCCTCAC  
 AGCGCAGTTCCCCATATGGCACTCTCAAGCCTGAGGAAATTAGCGGGCCTGGCCTGGCGGAATCTAAGGC  
 CGACAGCCACAAGGACCAAGCTCAGAAGCAGCGGAGCACAAGGACTCAGAACAAGGCTCTGCACAGAGC  
 AAGGAGCACAGACCAGGACCCATCGGCAACGAGCGGTCTCTGAAAAACAGAAAGGCTCTGAGGGGGCCG  
 AGCGGCTGCCAGGGCCGTTGTCCGCCTGTTAATGGGGTGGAGATTCAGTGGACTCCGTGCTGCCGCT  
 GCCGCCATTGAGTTCGGAGTCACTCAAAAGACTCTGATTTTCAAGCCTGCCACCCGGGCTGTGTTTGGT  
 CCTGTAGGGAATCCAGTGGCCAAGCTTCAAGGACTCTTGGCTAGTAATGCAGGACTGACGCAGAGTATTC  
 CCATCTCGCGGGGATCACCACATGCAGAGGCCATCGGCTCTCTCCCATGTCTTTCCCACCCGAGCA  
 CCTCACACTAAAGATGGAGTCTGCACGCAAGGCTTGGGAAAACCTCCCCAGTTTGCCAGAGCAGAGCTCT  
 CCAGGAGGTGCAGGCTCGGCATCCAGCCTCCATCCTCTGTGGGCGCTCCAATGGGGTCAACTACAGCT  
 CCTTTGGTGGAGTGTGATGCCGCCATGCCCGTGGCTTCTGTAGCGCTTCTGCTTCGATACCAGGCAG  
 CCACCTCCCACCTCTGTACCTGGATGGCCACGTGTTGCAAGTCAGCCCCGACTGGTTCCCTCAAACGATA  
 CCTCAGCAGCAGAGCTACCAGCAGGCGCCACTGCCAGCAGATCCCGATATCCCTTACACAGTCTCTGC  
 AGGCCCAGGCCAGCTTGGGCTGAGAGGTGGGCTCCCCGTCTCCAGTCCCAGGAGATCTTCAAGTCCCT  
 GCAGCCCTTCAAGTCTCAGGTGTACATGCACCCAGCCTGTACCACCCAGCAGATGATCCTCTCAGGG  
 GGTACAGCCTTGAAGCCCCATACTCTGCATTTCTGGCATAACAGCCCTTGGAGATGGTGAAGCCCCAGT  
 CTGGCTCACCTACCAGCCATGAGTGGAAACCAGGCCCTGGTCTACGAGGGCCAGCTTGGCCAGGCTGC  
 CGGGCTGGCACCTCCCAGATGCTGGATTCCCAGCTCCCACAGCTCACTATGCCACTGCCTCGGTATGCC  
 TCCGGGACAGCCACTGATCCTGCCACAGTCCATCCAGCTGCCAGGACAGAGTCTCTGTTGGAG  
 CCCCCGGAGGGTCTCCACCTGGCTCCCAACCTCCCGTCTGAACACCAGCAGAGAGTCCGCTCCGAT  
 GGAGTTGAAAGGCTTCCACTTTCGCGACAGTAAACAGAATGTTCTACTGGAGGGTCCGCACCATCCCCG  
 CAGGCATACAGGCAAAGCGAGTGGATGAAAAACCCGGCCTGGGAACCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172661  
**Insert Size:** 4461 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_172661.3</a></u> , <u><a href="#">NP_766249.2</a></u>
<b>RefSeq Size:</b>	8564 bp
<b>RefSeq ORF:</b>	4461 bp
<b>Locus ID:</b>	227723
<b>UniProt ID:</b>	<u><a href="#">Q7TPM1</a></u>
<b>Cytogenetics:</b>	2 B