

## Product datasheet for MC209226

### Prkar2b (NM\_011158) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prkar2b (NM\_011158) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prkar2b  
**Synonyms:** AI451071; AW061005; Pkarb2; PKARIIbeta; RII(beta)  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209226 representing NM\_011158  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCATCGAGATCCCCGCGGGCTCACGGAGCTGCTGCAGGGCTTACGGTGGAGGTGCTGAGGCACC  
 AGCCCGCCGACCTGCTGGAGTTCGCGCTGCAGCACTTACGCGGTGCAGCAGGAGAACGAGCGCAAGGG  
 CGCCGCGCGCTTCGCCATGAGGGCAGGACCTGGGGGACGCGGGCGCAGCCGCCGGGGGGCGGCATCCCC  
 AGTAAGGGTGTCAACTTCGCCGAGGAGCCATGCGCTCCGACTCCGAGAACGCGCAGGAGGAGGAGGCCG  
 CGGAAGCAGGGGCGTTCAACGCTCCAGTTATAAACCGTTCAAAAGCGTGCCTCGGTCTGTGCAGAAGC  
 TTATAATCCTGATGAAGAGGAAGACGATGCAGAGTCCAGGATAATACATCCAAAACCGATGATCAGAGA  
 AACAGATTGCAAGAGGCTTGCAAGACATCCTGCTGTTTAAAGAACCTGGATCCAGAGCAGATGTCCCAAG  
 TTTTAGATGCCATGTTTGAAAAATTGGTCAAAGAAGGGGAACACGTAATTGACCAAGGTGATGACGGTGA  
 CAACTTTTACGTCATTGACAGAGGAACATTTGATATTTATGTAATGTGATGGCGTTGGAAGATGCGTC  
 GGTAACATGATAACCGTGGGAGTTTGGAGAAGTGGCCTAATGTACAATACCCAGAGCAGCTACAA  
 TCACTGCTACCTCTCTGGTGTCTGTGGGGTTTGGACAGGGTGACCTTACAGGAGAATAATTGTA  
 CAATGCCAAAAGAGGAAGATGTACGAGAGCTTTATCGAGTCCCTGCCGTTCTCAAGTCTCTAGAGGTT  
 TCTGAACGCCTGAAGGTGGTGGATGTGATTGGCACCAAAGTTTACAATGATGGAGAGCAGATCATTGCTC  
 AGGGAGATTTGGCAGACTCTTTCTTATTGTAGAATCTGGAGAAGTAAAATTACTATGAAAAGAAAGGG  
 TAAATCAGAAGTTGAAGAGAACGGAGCTGTGAAATCGCTCGGTGCTTTCCGGGCCAGTACTTTGGAGAG  
 CTTGCCCTGGTCACTAACAAACCAAGAGCAGCGTCTGCACACGCCATCGGGACTGTCAAATGCTTAGCCA  
 TGGATGTGCAAGCATTTGAAAGGCTTTGGACCTTGCATGGAATATGAAGAGGAACATCGCCACCTA  
 TGAAGAACAATTAGTTGCGCTGTTTGAACAAACATGGATATTGTTGAGCCCACTGCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_011158
<b>Insert Size:</b>	1251 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>	<a href="#">NM_011158.3</a> , <a href="#">NP_035288.2</a>
<b>RefSeq Size:</b>	3358 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	19088
<b>UniProt ID:</b>	<a href="#">P31324</a>
<b>Cytogenetics:</b>	12 A3
<b>Gene Summary:</b>	Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase.[UniProtKB/Swiss-Prot Function]