

## Product datasheet for RN205548

### Prkar2b (NM\_001030020) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prkar2b (NM\_001030020) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prkar2b  
**Synonyms:** RATDNA  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN205548 representing NM\_001030020  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGCATCGAGATCCCCGCGGGCTCACGGAGCTGCTGCAGGGCTTACGGTGGAGGTGCTGAGGCACC  
 AGCCCGCCGACCTGCTGGAGTTCGCGCTGCAGCACTTACGCGGCTGCAGCAGGAGAACGAGCGCAAGGG  
 CGCCGCGCGCTTCGCCATGAGGGCAGGACCTGGGGGACGCGGGCGCAGCCGCCGGGGGCGGAACCCCC  
 AGTAAGGGTGTCAACTTCGCGGAGGAGCCATGCGCTCCGATTCCGAGAACGGCGAAGAGGAGGAGCCG  
 CGGAAGCAGGGGCGTTAACGCTCCAGTTATAAACCGTTCAACAAGCGTGCCTCGGTATGTGCAGAAGC  
 TTATAATCCTGATGAAGAAGAAGATGATGCAGAGTCCAGGATAATACATCCAAAACCTGACGATCAAAGA  
 AACAGATTGCAAGAAGCCTGCAAAGACATCCTGCTGTTTAAAGAACCTGGATCCAGAACAGATGTCTCAAG  
 TATTAGATGCCATGTTTGAAAAATTGGTCAAAGAAGGGGAACACGTAATCGATCAAGGTGATGATGGTGA  
 CAACCTTTACGTCATCGACAGAGGAACATTTGATTTTATGTAAAATGTGATGGCGTTGGAAGATGCGTT  
 GGTAACATGACAATCGTGGGAGTTTGGAGAAGTGGCCTAATGTACAATACCCAGAGCAGCTACAA  
 TCACTGCTACCTCTCTGGTCTCTGTGGGTTTGGACAGGGTGACCTTACAGGAGAATAATAGTAAAAA  
 CAATGCCAAAAAGAGGAAGATGTACGAGAGCTTTATTGAGTCACTGCCATTCTCAAGTCTCTGGAGGTT  
 TCTGAACGCTGAAGGTGGTAGATGTGATTGGCACCAAAGTTTACAACGATGGAGAACAGATCATTGCTC  
 AGGGAGACTCGGCGGATTCGTTCTTATTGTAGAATCTGGAGAAGTGAGAATTACTATGAAGAGAAAGGG  
 TAAATCAGACATCGAAGAGAACGGTGTGTGAAATCGCTCGGTGTCTCCGGGACAGTATTTGGAGAG  
 CTTGCCCTGGTCACTAACAAGCCAAGAGCAGCATCTGCACACGCCATTGGGACTGTCAAATGCTTAGCCA  
 TGGATGTGCAAGCATTGAGAGGCTTCTGGACCTTGCATGGAATTATGAAGAGGAATATCGCCACCTA  
 TGAGGAGCAATTAGTTGCACTGTTGGGACAAACATGGATATTGTTGAGCCCACTGCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001030020
<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>	<u><a href="#">NM_001030020.1</a></u> , <u><a href="#">NP_001025191.1</a></u>
<b>RefSeq Size:</b>	3182 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	24679
<b>UniProt ID:</b>	<u><a href="#">P12369</a></u>
<b>Cytogenetics:</b>	6q16
<b>Gene Summary:</b>	acts as a regulatory subunit of type II cAMP-dependent protein kinase [RGD, Feb 2006]