

## Product datasheet for **MC205716**

### Prkar1b (NM\_008923) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prkar1b (NM_008923) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prkar1b
Synonyms:	AI385716; Ribeta
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC011424  
 CGCGTCTCGCGCAGCTGCCTCCGGCCTCGGGCACCGCGCATCTACAGGAGCATAGAAGACATTCTGACC  
 ATGGCCTCCCCATCATGCTTCCACTCGGAGGACGAGGACTCTCTGAAAGGATGCGAGATGTACGTGCAGA  
 AACATGGCATCCAGCAGGTGCTCAAAGAATGCATTGTGCACCTCTGTGTGCGCAAGCCGGACCGGCCACT  
 GCGATTCTCCGGGAGCACTTTGAGAAGTTGGAGAAGGAGGAAAACAGGCAGATCCTGGCTCGGCAGAAG  
 TCAAATCCCAGTGTGATTCCCACGATGAGGAGATCTCCCAACACCCCCAAACCCCGTGGTCAAGGCGC  
 GTCGCGCGGGGTGGTGTGAGTCTAAGTCTACACTGAAGAAGATGCTGTCTCCTACGTGAGGAAGGT  
 CATTCCCAAGGACTATAAGACCATGACCGCGCTGGCCAAGGCCATTTCCAAGAAGCTGCTTTTTCTCAC  
 CTGGACGACAACGAGAGAAGTGACATATTTGACGCCATGTTTCCTGTCACTCACATCGGTGGGAAACAG  
 TCATACAGCAAGGGAATGAAGGAGATAATTTCTATGTGATTGACCAAGGAGAAGTAGATGTATATGTGAA  
 CGGGGAATGGGTGACCAACATCAGTGAGGGGGGAAGCTTCGGGGAGCTGGCTCTCATCTACGGCACCCCC  
 AGAGCGGTACCGTGAAGGCAAGACGGACCTCAAGCTCTGGGGTATCGACCGTGACAGCTACAGGCGCA  
 TCCTCATGGGAAGCACGCTGAGGAAACGCAAGATGTATGAGGAGTTCCTCAGCAAAGTCTCCATCTAGA  
 ATCCCTGGAGAAGTGGGAACGCCTGACTGTAGCTGATGCCCTGGAGCCTGTGCAGTTTGAAGATGGAGAG  
 AAAATTGTTGTGACGGGGGAGCCTGGAGATGACTTCTACATCATCAGAGGGCAGTCTTCCAGTCTCC  
 AGCGACGATCCCCAATGAGGAGTACGTGGAAGTGGGGCCCTTGACCCCTCTGACTACTTTGGGGAGAT  
 TGCCCTGTGCTGAATCGGCCCGTGCAGCCACTGTGGTGGCCCGGGTCCCCTCAAGTGTGTGAAGTTA  
 GACCGGCTCGTTTTGAGCGTGTCTGGGCCCTGCCCTGAGATCCTGAAGAGGAACATCCAGCGTTACA  
 ACAGCTTCATCTCCCTAACTGTCTGAGCTTGTGTTGCGCTGCACCCCTGGGGCCCTCCCATGTGGCCC  
 TGTGACCCATTTCTATGCCAGAGGCTGGGAGCTGTGGTTAGTAGCTGAGTGGCGTGGTGGCCGGCC  
 CGGAGCCTCCCTTTCTCTGGACTACTTTTGAATAAATAACCATCTTGTGCTTCTTCAAAAACAAAGG  
 GCAAGAGGCAACTGCGTCCCCAGACCAGGGCAGTGACAGCTGGCTCCCCCTGCAGCCTTATCTTGGGGCC  
 ACCTTATCCCCTCTCAAGTCTTCTGGGAATTTTGTCTGATCCCATACTTGAAGTGGCCCTGTGTCCT  
 GCCAGGTCTCAAGAGTGGGGCTGTGGCCACCCTTGAGCTTTCCCCAGAGCTGGGAGTTAATCAGAACA  
 CTGTCCCTGGTCTTGTAAAGATTCTCTGGTCTAGGCCAAGTGTAAAACAGATTGTGACAAATGGAGATG  
 TCCTCAAATGAGCACTCAAGCTGAGAGAAGAAACAGAGTTGAAAGGCATTCTTGGTCCCTGCGCACTGT  
 CCCCAACTCTCAGAAGGACCCCTGAAGGACCCAAATTGATCCTAGCCTCCTATCCAGAGACTAAGCTATG  
 GCCCCAGAAAGTCAAGAGGTGGTGGCTGAGCCCTCTACTCTCACAGCGCTTGGGAAGTCCATTTCCGG  
 GTAGGCCAGGCACCTGACCTCATGTGAGGACAGTTGGCCAAGCCCGTACCCCTTACTGGCTGGACGCC  
 CAGATTGGGCAGGAAGTGTGGCTGACGGCGGGCTTTCCAAACGTGGTGTGAGTCTGGGCTGAGTCCCATC  
 TCCTGGAGACCAGGACCATGACTCTGTCAACCTGCCTATTGGAGACCCCAAGGAACAGCAAGCAACTCC  
 AACTTGCTAGTTAAAGTTGTAGTTTTGAGCCTTCCAGACTCTCTGTAAAGCCGAATCCCTGTCCCT  
 TGACTTCAAACACCTCTCACCCGAGTCTCTGTTCCTTACAAGAGGGGATAATGTACTGAAACCAGG  
 CTTGACCCACATCCCTAAACATCCACCGTGGAGTGTGATATGAGCCAGCCAGACCCCAAGGGCCACATG  
 AGTGTCCACAACCTGCTTAGTGTCCCTGGGTGACCGGCATGTCATGAGACAGTGTGATCAACCTTTTCTT  
 GCCCGCTGTGCACGCTAGGTGACCCTTCCAGCTGACCATCAGCTCCCCGCTGTGTGGCCCTGGCCATG  
 TGTGTTGTGCTGCACTGTGGACTATCTGTGGATTCTGTGGCCCTGCTTCTCCATCCCCTATTTATGTCA  
 CCAAGCGCTGCATGAACTATTAATGTGCAATGAAGAACCCTTTCCAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_008923

**Insert Size:** 1146 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:** [BC011424](#), [AAH11424](#)

**RefSeq Size:** 2583 bp

**RefSeq ORF:** 1146 bp

**Locus ID:** 19085

**UniProt ID:** [P12849](#)

**Cytogenetics:** 5 77.74 cM

**Gene Summary:** Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1-6 all encode the same isoform (a).