

## Product datasheet for RN201982

### Prkaca (NM\_001100922) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prkaca (NM\_001100922) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prkaca  
**Synonyms:** Cs-PKA; PKCA1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN201982 representing NM\_001100922  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCAACGCCCGCCGCCAAGAAGGGCAGCGAGCAGGAGAGCGTGAAAGAGTTCCTAGCCAAAGCCA  
 AGGAAGATTTCTGAAAAATGGGAGACCCCTTCTCAGAATACAGCCAGTTGGATCATTGATAGAAT  
 CAAGACCCCTTGGCACCGCTCCTTTGGCGGAGTGATGCTCGTGAAGCACAAAGAAAGTGGGAACCACTAT  
 GCCATGAAGATCTTGGACAAGCAGAAGGTGGTGAAGCTGAAGCAGATCGAGCACACTCTGAATGAGAAGC  
 GCATCCTGCAGGCTGTCAACTTCCCGTTCTGGTCAAACCTGAATTCTCCTTCAAGGACAACCTCAAACCT  
 GTACATGGTACATGGAGTACGTGCCTGGTGGGAGATGTTCTCCCACTTACGGCGGATGGGAGGTTCACT  
 GAGCCCCACGCCGTTTCTACGCGGCGCAGATCGTCTTGACTTTTGAGTATCTGCACTCCCTGGACCTCA  
 TCTACCGGGACCTGAAGCCCGAGAACCTTCTCATCGACCAGCAGGGCTATATTCAGGTGACAGACTTCGG  
 TTTTGCCAAGCGTGTGAAAGGCCGAACCTGGACCTGTGTGGGACCCCGAGTACTTGGCCCCGAGATT  
 ATCCTGAGCAAAGGCTACAACAAAGCTGTGGACTGGTGGGCTCTCGGGTCCCTCATCTACGAGATGGCTG  
 CTGGTTACCCGCCCTTCTCGCTGACCAGCCTATCCAGATCATGAGAAAATCGTCTCTGGGAAGGTGCG  
 GTTCCCATCCCACTTCACTCTGACTTGAAGACCTGCTCGGAACCTTCTGCAGGTGGATCTACCAAG  
 CGCTTTGGGAATCTCAAGAACGGGTCAATGACATCAAGAACCACAAGTGGTTTGCACAACTGACTGGA  
 TCGCCATCTATCAGAGAAAGGTGGAAGCTCCCTTCATACCAAGTTTAAAGGCCCTGGGGACACGAGTAA  
 CTTTGACGACTATGAGGAGGAAGAGATCCGGGTCTCCATCAATGAGAAATGTGGCAAGGAGTTTACTGAG  
 TTTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001100922



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<b>Insert Size:</b>	1056 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>NM_001100922.1, NP_001094392.1</u>
<b>RefSeq Size:</b>	2253 bp
<b>RefSeq ORF:</b>	1056 bp
<b>Locus ID:</b>	25636
<b>Cytogenetics:</b>	19q11
<b>Gene Summary:</b>	active catalytic subunit of protein kinase A; phosphorylates and activates transcription factors in response to elevated levels of cAMP; mediates phosphorylation and regulation of enzyme substrates involved in intermediary metabolism [RGD, Feb 2006]