

Product datasheet for **RN212628**

Prkca (NM_001105713) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkca (NM_001105713) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkca
Synonyms:	Pkca
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212628 representing NM_001105713
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGACGTTTACCCGGCCAACGACTCCACGGCGTCTCAGGACGTGGCCAACCGTTTCGCCCGCAAAG
 GGGCGCTGAGGCAGAAGAACGTGCATGAGGTGAAAGACCACAAATTCATCGCCCGCTTCTCAAGCAACC
 CACCTTCTGCAGCCACTGCACCGACTTCATCTGGGGTTTGAAAAACAAGGCTTCCAGTGCCAAGTTTGC
 TGTTTTGTGGTTCACAAGAGGTGCCATGAGTTTGTACTTTCTCTTGCCGGGTGCGGATAAGGGACCTG
 AACTGATGACCCAGAAGCAAGCACAAGTTCAAATCCACACCTATGGAAGCCCTACCTTCTGTGATCA
 CTGTGGTCCCTGCTCTACGGACTTATCCACCAAGGGATGAAATGCGACACCTGCGACATGAATGTTTAC
 AAGCAGTGCATCAATGTCCCAGCCTCTGCGGAATGGATCACACAGAGAAGAGGGGGCGGATTTACC
 TGAAGGCAGAGGTACAGATGAAAAGCTGCACGTACCGTACGAGATGCAAAAAATCTAATCCCTATGGA
 TCCAAATGGGCTTTCGGATCCTTACGTGAAGCTGAACTTATTCTGACCCCAAGATGAGAGCAAACAG
 AAAACCAAAACCTCCGATCCACACTGAACCTCAGTGAATGAGTCCTTACGTTCAAATTAACCTT
 CAGACAAAGACCGGCGACTGTCCGTAGAAATCTGGGACTGGGATCGGACGACACGGAATGACTTCATGGG
 CTCCCTTCTCCTCGCGTCTCAGAGCTGATGAAGATGCCAGCCAGTGGATGGTACAAGTTGCTCAACCA
 GAGGAGGTGAATACTACAATGTGCCATTCCAGAAGGAGATGAAGAAGGCAACGTGGAACCTCAGGCAGA
 AGTTCGAGAAAGCAAGCTGGGCCCCGCTGAAACAAAGTCATCAGCCCTCAGAAGACAGGAAGCAGCC
 ATCTAACAACTGGACAGGGTAAACTCACAGACTTCACTTCTCATGGTGTGGGGAAGGGGAGTTTT
 GGAAAGGTGATGCTTGTGACAGGAAGGGAACAGAGGAAGTGTACGCCATCAAAATCCTGAAGAAGGACG
 TGGTATCCAGGATGACGACGTGGAGTGCACCATGGTGGAGAAGCGGGTCTGGCCCTGCTCGACAAGCC
 CCGTTCCTGACACAGCTGCACTCCTGCTTCCAGACAGTGGACCGGCTGTACTTCGTCATGGAATACGTC
 AACGGTGGGACCTCATGTACCACATTCAGCAAGTCGGAATTAAGGAGCCACAAGCAGTATTCTATG
 CAGCCGAGATCTCCATCGGACTGTTCTTCTTCAAAAAGAGGAATCATTTACAGGGATCTGAAGCTGGA
 CAACGTGATGCTGGACTCAGAAGGGCATATCAAAATCGCCGACTTCGGGATGTGCAAGGAACACATGATG
 GACGGGTACGACCAGGACCTTCTGTGGGACTCCGGATTACATTGCCCCAGAGATAATCGCTTACCAGC
 CATATGAAAAGTCTGTGGACTGGTGGGCGTACGGCGTCTCTGTATGAGATGCTAGCTGGGAGCTTAT
 GACCAACACCCTGCCAAGCGGCTGGGCTGCGGGCCGAGGGGAAAGGGATGTCAGAGAGCATGCCTTC
 TTTAGGAGGATCGACTGGGAGAAGTTGGAGAACAGGGAGATCCAACCGCCATTCAAGCCAAAGTGTGCG
 GCAAAGGAGCAGAAAACCTTTGACAAGTTCTTACACGAGGGCAGCCTGTCTTAACACCACAGATCAGCT
 GGTTCATCGCTAACATAGACCAGTCTGATTTGAAGGGTCTCGTATGTCAACCCCGAGTTTGTGCACCCA
 ATCTTGCAAAGTGCAGT**ATGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001105713
- Insert Size:** 1911 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: [NM_001105713.1](#), [NP_001099183.1](#)

RefSeq Size: 3702 bp

RefSeq ORF: 1911 bp

Locus ID: 24680

Cytogenetics: 10q32.1

Gene Summary: displays Ca²⁺ dependent protein kinase activity [RGD, Feb 2006]