

Product datasheet for **RN205182**

Prkci (NM_032059) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkci (NM_032059) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkci
Synonyms:	Pkcl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205182 representing NM_032059
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAGCCAGAGGGACAGCAGCACCATGTCTCACACGGTCCGGTCCGGCGGCCGGGGACCATTCCC
 ACCAGGTCGGGTGAAAGCCTACTACCGGGGATATTATGATAACACACTTCGAGCCTTCATCTCCTT
 TGAAGGACTTTGCACTGAGGTTTCGAGATATGTGTTCTTTTGACAATGAGCAGCCATTACCATGAAATGG
 ATAGATGAGGAAGGAGACCCGTCACAGTGTCTTCTCAGTTGGAGTTGGAAGAGGCTTTCAGGCTGTATG
 AGTTGAACAAGGATTCTGAACCTCTGATCCACGTGTTCCCGTGTGTACCAGAGCGTCTGGAATGCCTTG
 CCCAGGGGAAGACAAGTCCATTTACCGCAGAGGGCGCGCAGGTGGAGAAAGCTGTATTGTGCAATGGC
 CACACTTTTCAAGCCAAACGCTTAAACAGGCGTCCCACTGTGCCATCTGCACAGACAGGATCTGGGGAC
 TTGGACGACAAGGATATAAATGCATCAACTGCAAAGTCTGGTTCATAAGAAGTCCACAAGCTTGTCCAC
 AATTGAGTGTGGCGGCATTCTTTGCCACCGGAACCCATGATGCCAATGGACCAGTCATCCATGCACCCA
 GACCACACACAGACAGTAATCCATATAATCCTTCAAGTCATGAGAGTTTGGACCAAGTTGGTGAAGAAA
 AGGAGGCAATGAACACCAGGGAGAGTGGGAAGGCGTCATCAAGCTTAGGTCTCCAGGATTTTCGATTTGCT
 TCGAGTTATAGGGAGAGGAAGTTACGCCAAAGTACTGCTGGTTCGATTAAGAAAGACAGATCGCATTAT
 GCAATGAAGGTTGTGAAGAAAGAGCTCGTCAATGACGATGAGGATATTGATTGGGTACAGACAGAAAAGC
 ATGTGTTTGAGCAGGCGTCCAATCACCCCTTCTTGTGGTCTGCATTCTGCTTCCAGACAGAAAAGCAG
 GCTGTTTTTTGTCATAGAATATGTGAATGGAGGGGATCTCATGTTTCATATGCAGCGCAAAGAAAATT
 CCTGAAGAACATGCCAGGTTTTACTCAGCAGAAATCAGTCTAGCACTAAATTATCTTCATGAGCGAGGGA
 TAATTTATAGAGATTTGAAGTTGGACAATGTACTGCTGGACTCTGAAGGACACATCAAACCTCACTGACTA
 CGGCATGTGTAAGGAAGGATTACGGCCCGGAGATACAACCAGCACCTTCTGTGGGACTCCCAATTACATT
 GCTCCTGAGATCTTAAGAGGAGAAGACTATGGCTTCAGCGTTGACTGGTGGGCTCTTGGAGTACTCATGT
 TTGAGATGATGGCGGAAGGTTCTCCATTTGATATCGTTGGGAGCTCTGACAATCTGACCAAAACACAGA
 GGATTATCTGTTCCAAGTCATTTGGAGAAGCAGATTCGCATACCGCGCTCCCTGTCTGTGAAAGCAGCA
 AGTGTGCTGAAGAGTTTCTCAACAAGGACCCAAAGAACGATTGGGTTGTCACCCTCAAAGTGGATTTG
 CTGACATCAAGGACACCATTCTCCGTAATGTGGATTGGGACATGATGGAGCAGAAGCAAGTGGTTCC
 GCCCTTTAAACCAACATTTCTGGAGAATTTGGTTTGGATAACTTTGACTCCCAGTTTACCAACGAACCA
 GTCCAGCTCACTCCAGATGATGATGACATCGTGAGGAAGATTGATCAGTCTGAATTTGAAGTTTTCGAGT
 ATATCAACCCTCTTTGATGTCTGCAGAAGAGTGTGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_032059
- Insert Size:** 1791 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_032059.1](#), [NP_114448.1](#)

RefSeq Size: 4501 bp

RefSeq ORF: 1791 bp

Locus ID: 84006

UniProt ID: [F1M7Y5](#)

Cytogenetics: 2q24

Gene Summary: member of the atypical subgroup of PKCs that do not contain the calcium binding domain and possess only one cysteine-rich region; plays a critical role in controlling cell growth and cell survival; enhances Rab2-mediated vesicle budding [RGD, Feb 2006]