

## Product datasheet for **RN209006**

### Prkch (NM\_031085) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prkch (NM_031085) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkch
Synonyms:	MGC93383
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN209006 representing NM\_031085  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGTCGGCAGCATGAAGTTCAATGGCTATCTGAGGGTCCGCATCGGAGAGGCAGTGGGGCTGCAGC  
 CCACCCGCTGGTCCCTGCGGCACTCGCTCTTCAAAAAGGGCCACCAGCTGCTGGACCCCTACCTGACGGT  
 GAGCGTAGACCAGGTACGCGTGGGCCAGACCAGCACAAAGCAGAAGACTAACAAACCCACCTACAACGAG  
 GAGTTCTGCACCAATGTCTCCGACGCGGCCACCTGGAGCTAGCCGTCTTCCACGAGACGCCCTGGGCT  
 ATGACCACTTTGTGGCCAACTGCACGCTGCAGTTCAGGAGCTGTTGCGCACGGCCGGCAGATCGGACAC  
 CTTGAGGGCTGGGTGGATCTGGAGCCTGAGGGGAAAGTGTTCGTGTAATAACCCTAACAGGGAGCTTC  
 ACTGAAGCCACTCTCCAGAGAGACCGCATCTTCAAGCATTTTACCAGGAAGCGCCAACGGGCTATGCGAA  
 GGAGAGTCCATCAAGTCAACGGACACAAGTTCATGGCCACATACCTGAGGCAGCCACCTACTGCTCTCA  
 CTGCCGGGAGTTCATCTGGGAGTATTTGGGAAACAGGGTTATCAATGCCAAGTGTGCACCTGCGTCGTC  
 CATAAACGCTGCCATCACCTAATTGTTACAGCCTGCACCTGCCAAAACAATATAACAAAGTGGATGCCA  
 AGATCGCAGAGCAACGGTTTGGCATCAACATCCCACACAAGTTCAACGTTCACAACTACAAGGTGCCAC  
 GTTCTGCGACCACTGTGGCTCCCTGCTCTGGGGATAATGCGACAAGGACTTCAGTGTAATAATGTAAG  
 ATGAACGTACATATTCGGTGTGACGGCGAACGTGGCCCCAACTGCGGGGTGAACGCCGTGGAGCTTGCCA  
 AGACCTGGCAGGGATGGGTCTCCAACCCGAAATATTTCTCCAACTCGAAACTCATTTCAGGTCTAC  
 GCTGAGACGGCAGGGGAAGGAGGGCTCCAAAGAAGGAAATGGGATCGGTGTTAATTTCCAGCAGATTC  
 GGCATCGACAACCTTTGAGTTCATCCGGGTGTTGGGAAGGGGAGCTTCGGAAGGTGATGCTCGCCAGAA  
 TAAAGGAGACAGGAGAGCTGTACGCTGTGAAGGTGCTGAAGAAGGACGTCATCCTGCAGGATGACGATGT  
 GGAATGCACCATGACTGAGAAGAGGATCCTCTCCTTGGCCCGCAACCACCCCTTCTCACCCAGCTCTTC  
 TGCTGCTTTCAGACTCCTGACCGTCTGTTCTTTGTCATGGAGTTTGTGAACGGAGGTGACCTGATGTTCC  
 ACATCCAAAAGTCCAGCGTTCGATGAAGCCCGAGCTCGTTTCTACGCTGCAGAGATCATTTCTGCACT  
 CATGTTCTCCACGAGAAAGGCATCATCTACAGAGACTTGAAACTGGACAACGTACTACTGGACCACGAA  
 GGCCACTGTAACTGGCCGACTTCGGAATGTGCAAGGAGGGCATTGTAAACGGGGTCAACACAGCCACCT  
 TCTGCGGCACGCCTGACTACATTGCCCCAGAGATCCTTCAGGAGATGTTGTATGGACCTGCAGTAGACTG  
 GTGGCCATGGGCGTGTGCTTTATGAGATGCTGTGCGGACATGCGCCCTTCGAGGCTGAGAATGAAGAT  
 GACCTTTTTGAGCCATACTGAATGATGAAGTTGTCTACCCTACCTGGCTCCATGAAGATGCCACAGGGA  
 TCCTCAAATCTTTCATGACCAAGAACCACCATGCGCTTGGGACGCTGACTCAGGGAGGCGAGCATGA  
 GATCTTGAGACATCCTTTCTTTAAGGAAATCGACTGGGTCCAGTTGAACCATCGCCAGCTAGAACCCT  
 TTCCGACCCAGAATCAAATCCCAGAGACGTGAGCAATTTTGACCCAGACTTCATAAAGAAGAGCCTG  
 TTTAACTCCGATCGATGAGGGACATCTTCTATGATTAACCAGGATGAGTTTAGAACTTTTCTATGT  
 GTCACCAGAATTGCAACCGTAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_031085
- Insert Size:** 2052 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\\_031085.2](#), [NP\\_112347.1](#)

**RefSeq Size:** 3398 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 81749

**UniProt ID:** [Q64617](#)

**Cytogenetics:** 6q24

**Gene Summary:** catalyzes the phospholipid and TPA-dependent, calcium independent phosphorylation of several peptide substrates [RGD, Feb 2006]