

## Product datasheet for **RR209006**

### Prkch (NM\_031085) Rat Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>RR209006 representing NM\_031085  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGTCGGCAGCATGAAGTTCAATGGCTATCTGAGGGTCCGCATCGGAGAGGCAGTGGGGCTGCAGC  
 CCACCCGCTGGTCCCTGCGGCACTCGCTCTTCAAAAAGGGCCACCAGCTGCTGGACCCCTACCTGACGGT  
 GAGCGTAGACCAGGTACGCGTGGGCCAGACCAGCACAAAGCAGAAGACTAACAAAACCCACCTACAACGAG  
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 TTTAACTCCGATCGATGAGGGACATCTTCTATGATTAACCAGGATGAGTTTAGAACTTTTCTATGT  
 GTCACCAGAATTGCAACCG

AG**CGGACCC**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR209006 representing NM\_031085  
 Red=Cloning site Green=Tags(s)

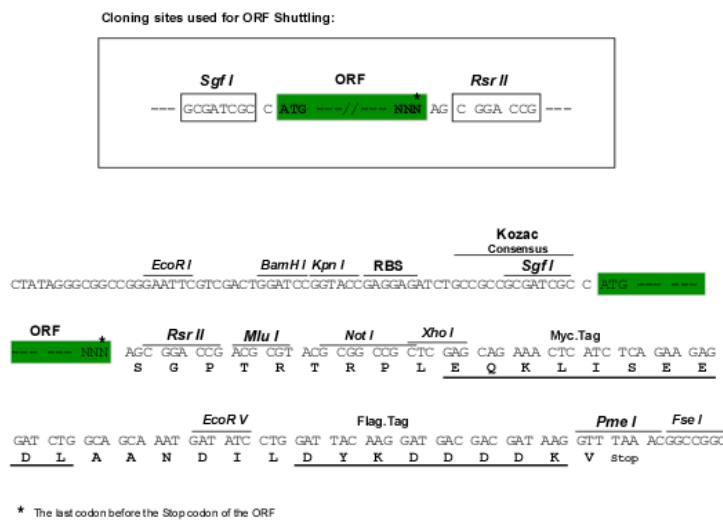
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 CCFQTPDRLFFVMEFVNGGDLMFHIQKSRRFDEARARFYAAEIIISALMFLHEKGIYRDLKLDNVLDDHE  
 GHCKLADFGMCKEGICNGVTTATFCGTPDYIAPEILQEMLYGPVDDWAMGVLLYEMLCGHAPFEAENED  
 DLFEAILNDEVVYPTWLHEDATGILKSFMTKNPTMRLGSLTQGGHEILRHPFFKEIDWVQLNHRQLEPP  
 FRPRIKSREDSVNFDPDFIKEEPVLTPIDEGHLPMINQDEFNRFSYVSPQLQP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_031085

**ORF Size:** 2049 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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

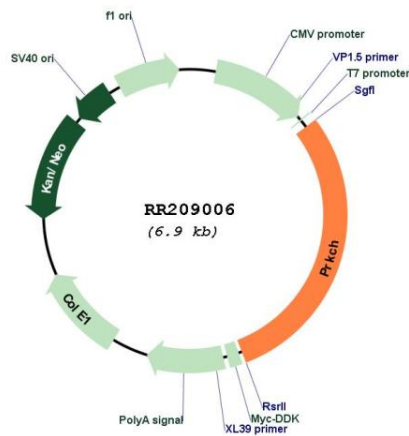
**UniProt ID:** [Q64617](#)

**Cytogenetics:** 6q24

**MW:** 77.9 kDa

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

### Product images:



Circular map for RR209006