

Product datasheet for **RR217086**

Prkcb (NM_001172305) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkcb (NM_001172305) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prkcb
Synonyms:	Pkcb; Prkcb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR217086 representing NM_001172305
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGACCCGGCTGCGGGCCGCCGCCGAGCGAGGGCGAGGAGACACGGTGCCTTCGCCGCAAAG
 GCGCCCTCCGGCAGAAGAACGTGCACGAGGTGAAGAACCACAAATTCACCGCCCGCTTCTCAAGCAGCC
 CACCTTCTGCAGCCACTGCACCGACTTCATTTGGGGCTTAGGTTTGCAGGGATTCCAGAGTCAGGTCCTGC
 TGCTTTGTGTACACAAGCGCTGCCATGAATTCGTACGTTCTCCTGCCCTGGTGCAGACAAGGGCCCGG
 CCTCTGATGACCCACGGAGCAAACAAGTTAAGATCCACACCTACTCCAGCCCTACCTTCTGTGACCA
 CTGTGGATCACTGCTGTATGGGCTCATCCACCAGGGGATGAAATGCGACACCTGTATGATGAATGCCAC
 AAGCGTTCGTGATGAACGTCCCAGCCTCTGTGGCACCACCACAGAACGCCGTGGCCGCATCTACA
 TCCAGGCCACATCGACAGGGAGGTCTCATCGTTGTTGTAAGAGATGCTAAAAATCTGGTACCTATGGA
 CCCAACGGCTTGTGAGTCCCTACGTAAGTAACTGAACTGATCCCTGATCCCAAAAGTGAGAGCAAGCAG
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 AGAAAGATGTGGTATCCAAGATGACGATGTGGAGTGCACAATGGTGGAGAAGAGGGTGTGGCCCTGCC
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 GAACTTGACAACGTGATGCTGGATTCCGAGGGGCACATCAAAATCGCTGACTTTGGCATGTGTAAGAGG
 AATATCTGGGATGGGGTGACAACCAAGACATTCTGTGGCACTCCAGACTACATTGCCCCAGAGATCATTG
 CTTATCAGCCCTACGGGAAGTCTGTGGACTGGTGGCGTTTGGAGTCTGCTGTATGAAATGTTGGCTGG
 CCAGGCACCTTTTGAAGGGGAGGATGAGGATGAACTCTCCAGTCAATCATGGAGCACACGTGGCGTAT
 CCCAAGTCCATGTCTAAGGAAGCTGTGGCAATCTGCAAAGGGCTAATGACCAAACACCCAGGCAAGCGCC
 TGGGTTGTGGCCCTGAAGGGGAACGAGACATTAAGGAGCATGCATTTTCCGGTATATCGACTGGGAGAA
 ACTCGAACGCAAGGAGATTGAGCCACCTTATAAACAAAAGCTAGAGACAAGCGAGACACCTCCAATTC
 GACAAAGAGTTACACAGGCAGCCTGTGGAAGTACTCCACTGACAAACTCTTCATCATGAACTTGAGCC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217086 representing NM_001172305
Red=Cloning site Green=Tags(s)

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MADPAAGPPPSEGEESTVRFARKGALRQKNVHEVKNHKFTARFFKQPTFCSHCTDFIWGLGLQGFQSQVC
CFVVHKRCHEFVTFSCPGADKGPASDDPRSKHKFKIHTYSSPTFCDHCGSLLYGLIHQGMKCDTCMMNVH
KRCVMNVPSLCGTDHTERRGRIYIQAHDREVLIVVVRDAKNLVPMDPNGLSDPYVKLKLIPDPKSESKQ
KTKTIKCSLNPEWNETFRFQLKESDKDRRLSVEIWDWDLTSRNDFMGSLSFGISLQKAGVDGWFKLLSQ
EEGEYFNVPVPEEGSEGNEELRQKFERAKIGQGTKAPEEKANTISKFDNNGNRDRMKLTDNFMLVLGK
GSFGKVMLSERKGTDEL YAVKILKDVVIQDDVECTMVEKRVLALPGKPPFLTQLHSCFQTMDRLYFVM
EYVNGDLMYHIQQVGRFKEPHAVFYAAEIAIGLFFLQSKGIIYRDLKLDNVMLDSEGHKIADFGMCKE
NIWDGVTTKTFCGTPDYIAPEIIAYQPYGKSVDDWAFGVLLYEMLAGQAPFEGEDELEFQSIMEHNVAY
PKSMSKEAVAICKGLMTKHPGKRLGCGPEGERDIKEHAFFRYIDWEKLERKEIQPPYKPKARDKRDTSNF
DKEFTRQPVELTPTDKLFIMNLDQNEFAGFSYTNPEFVINV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001172305

ORF Size: 2013 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_001172305.1](#), [NP_001165776.1](#)

RefSeq Size: 2666 bp

RefSeq ORF: 2016 bp

Locus ID: 25023

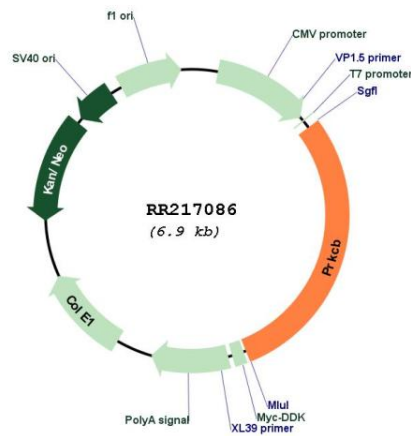
UniProt ID: [P68403](#)

Cytogenetics: 1q36

MW: 76.7 kDa

Gene Summary: plays a role in hexosamine biosynthesis pathway induced transcriptional regulation [RGD, Feb 2006]

Product images:



Circular map for RR217086