

Product datasheet for **RN217086**

Prkcb (NM_001172305) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN217086 representing NM_001172305
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGACCCGGCTGCGGGGCCCGCCGAGCGAGGGCGAGGAGACACGGTGCCTTCGCCCGAAAG
 GCGCCCTCCGGCAGAAGAACGTGCACGAGGTGAAGAACCACAAATTCACCGCCCGCTTCTCAAGCAGCC
 CACCTTCTGCAGCCACTGCACCGACTTCAATTTGGGGCTTAGGTTTGCAGGGATTCCAGAGTCAGGTCTGC
 TGCTTTGTGTACACAAGCGCTGCCATGAATTCGTACGTTCTCCTGCCCTGGTGCAGACAAGGGCCCGG
 CCTCTGATGACCCACGGAGCAAACAAGTTAAGATCCACACCTACTCCAGCCCTACCTTCTGTGACCA
 CTGTGGATCACTGCTGTATGGGCTCATCCACCAGGGGATGAAATGCGACACCTGTATGATGAATGCCAC
 AAGCGTGCCTGATGAACGTCCCAGCCTCTGTGGCACCACCACAGAACGCCGTGGCCGCATCTACA
 TCCAGGCCACATCGACAGGGAGGTCTCATCGTTGTTGTAAGAGATGCTAAAAATCTGGTACCTATGGA
 CCCAACGGCTTGTGAGTCCCTACGTAAGTAACTGAACTGATCCCTGATCCCAAAAGTGAGAGCAAGCAG
 AAGACCAAGACTATCAAATGCTCCCTCAACCCGGAGTGAACGAAACCTTCAGATTTAGCTGAAGGAAT
 CAGACAAAGACAGAAGACTGTCCGTAGAGATCTGGGATTGGGACCTGACCAGCAGGAATGACTTCATGGG
 ATCTCTGTCGTTTGGGATTTAGAACTACAGAAAGCCGGAGTGGATGGCTGGTCAAGTTACTAAGCCAG
 GAAGAAGCGGAGTACTTTAATGTCCCGTCCCGCCGGAAGGAAGCGAGGGCAATGAAGAGCTGCGGCAGA
 AGTTTGAGAGAGCCAAGATTGGCCAAGGTACCAAGGCTCCAGAAGAAAAGACAGCGAACACTATATCCAA
 ATTTGACAACAATGGCAACAGGGACCGGATGAACTGACCGATTTAACTTCTGATGGTGTGGGGAAA
 GGCAGCTTTGGCAAGGTATGCTCTCAGAGCGGAAGGGTACAGATGAACCTATGCCGTGAAGATCCTGA
 AGAAAGATGTGGTATCCAAGATGACGATGTGGAGTGCACAATGGTGGAGAAGGGGTGCTGGCCCTGCC
 TGGGAAGCCCCATTCTGACTCAGCTCCATTCTGCTTCCAGACCATGGACCGCCTCTACTTTGTGATG
 GAGTATGTGAACGGGGCGACCTCATGTACCACATCCAACAAGTTGGCCGTTTCAAGGAGCCCATGCTG
 TATTTTACGCTGCAGAGATTGCCATCGGTCTTTTCTTCTGTCAGAGCAAGGGCATCATTTACCGTGACCT
 GAACTTGACAACGTGATGCTGGATTCCGAGGGGCACATCAAAATCGCTGACTTTGGCATGTGTAAGAG
 AATATCTGGGATGGGGTACAACCAAGACATTCTGTGGCACTCCAGACTACATTGCCCCAGAGATCATTG
 CTTATCAGCCCTACGGGAAGTCTGTGGACTGGTGGCGTTTGGAGTCTGCTGTATGAAATGTTGGCTGG
 CCAGGCACCTTTGAAGGGGAGGATGAGGATGAACTTCCAGTCAATCATGGAGCACAAGTGGCGTAT
 CCCAAGTCCATGTCTAAGGAAGCTGTGGCAATCTGCAAAGGGCTAATGACCAAACACCCAGCAAGCGCC
 TGGGTTGTGGCCCTGAAGGGGAACGAGACATTAAGGAGCATGCATTTTCCGGTATATCGACTGGGAGAA
 ACTCGAACGCAAGGAGATTGAGCCACCTTATAAACAAAAGCTAGAGACAAGCGAGACACCTCAACTTC
 GACAAAGAGTTTACCAGGCAGCCTGTGGAAGTACTCCACTGACAAACTCTTATCATGAAGTTGGACC
 AAAATGAATTTGCTGGCTTCTCGTATACTAACCCAGAGTTTGTGCTAATGTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001172305

Insert Size: 2016 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<ol style="list-style-type: none">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:	<u>NM_001172305.1</u> , <u>NP_001165776.1</u>
RefSeq Size:	2666 bp
RefSeq ORF:	2016 bp
Locus ID:	25023
UniProt ID:	<u>P68403</u>
Cytogenetics:	1q36
Gene Summary:	<p>plays a role in hexosamine biosynthesis pathway induced transcriptional regulation [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>