

## Product datasheet for **RN204102**

### **Prkcb (NM\_012713) Rat Untagged Clone**

#### **Product data:**

|                    |                                      |
|--------------------|--------------------------------------|
| Product Type:      | Expression Plasmids                  |
| Product Name:      | Prkcb (NM_012713) 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:** >RN204102 representing NM\_012713  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGACCCGGCTGCGGGGCCCGCCGAGCGAGGGCGAGGAGACACGGTGCCTTCGCCCGAAAG  
 GCGCCCTCCGGCAGAAGAACGTGCACGAGGTGAAGAACCACAAATTCACCGCCCGCTTCTCAAGCAGCC  
 CACCTTCTGCAGCCACTGCACCGACTTCAATTTGGGGCTTAGGTTTGCAGGGATTCCAGAGTCAGGTCTGC  
 TGCTTTGTGTACACAAGCGCTGCCATGAATTCGTACGTTCTCCTGCCCTGGTGCAGACAAGGGCCCGG  
 CCTCTGATGACCCACGGAGCAAACAAGTTAAGATCCACACCTACTCCAGCCCTACCTTCTGTGACCA  
 CTGTGGATCACTGCTGTATGGGCTCATCCACCAGGGGATGAAATGCGACACCTGTATGATGAATGCCAC  
 AAGCGTGCCTGATGAACGTCCCAGCCTCTGTGGCACCACCACAGAACGCCGTGGCCGCATCTACA  
 TCCAGGCCACATCGACAGGGAGGTCTCATCGTTGTTGTAAGAGATGCTAAAAATCTGGTACCTATGGA  
 CCCAACGGCTTGTGAGTCCCTACGTAAGTAACTGAACTGATCCCTGATCCCAAAAGTGAGAGCAAGCAG  
 AAGACCAAGACTATCAAAATGCTCCCTCAACCCGGAGTGAACGAAACCTTCAGATTTTCAGCTGAAGGAAT  
 CAGACAAAGACAGAAGACTGTCCGTAGAGATCTGGGATTGGGACCTGACCAGCAGGAATGACTTCATGGG  
 ATCTCTGTCGTTTGGGATTTAGAACTACAGAAAGCCGGAGTGGATGGCTGGTTCAGTTACTAAGCCAG  
 GAAGAAGCGGAGTACTTTAATGTGCCGGTCCCGCCGGAAGGAAGCGAGGGCAATGAAGAGCTGCGGCAGA  
 AGTTTGAGAGAGCCAAGATTGGCCAAGGTACCAAGGCTCCAGAAGAAAAGACAGCGAACACTATATCCAA  
 ATTTGACAACAATGGCAACAGGGACCGGATGAACTGACCGATTTAACTTCTGATGGTGTGGGGAAA  
 GGCAGCTTTGGCAAGGTATGCTCTCAGAGCGGAAGGGTACAGATGAACCTATGCCGTGAAGATCCTGA  
 AGAAAGATGTGGTATCCAAGATGACGATGTGGAGTGCACAATGGTGGAGAAGGGGTCTGGCCCTGCC  
 TGGGAAGCCCCATTCTGACTCAGCTCCATTCTGCTTCCAGACCATGGACCGCCTCTACTTTGTGATG  
 GAGTATGTGAACGGGGCGACCTCATGTACCACATCCAACAAGTTGGCCGTTTCAAGGAGCCCATGCTG  
 TATTTTACGCTGCAGAGATTGCCATCGGTCTTTTCTTCTTGCAGAGCAAGGGCATCATTTACCGTGACCT  
 GAAACTTGACAACGTGATGCTGGATTCCGAGGGGCACATCAAAATCGCTGACTTTGGCATGTGTAAGAG  
 AATATCTGGGATGGGGTGAACAACCAAGACATTCTGTGGCACTCCAGACTACATTGCCCCAGAGATCATTG  
 CTTATCAGCCCTACGGGAAGTCTGTGGACTGGTGGCGTTTGGAGTCTGCTGTATGAAATGTTGGCTGG  
 CCAGGCACCTTTGAAGGGGAGGATGAGGATGAACTCTCCAGTCAATCATGGAGCACAACGTGGCGTAT  
 CCCAAGTCCATGTCTAAGGAAGCTGTGGCAATCTGCAAAGGGCTAATGACCAAACACCCAGCAAGCGCC  
 TGGGTTGTGGCCCTGAAGGGGAACGAGACATTAAGGAGCATGCATTTTCCGGTATATCGACTGGGAGAA  
 ACTCGAACGCAAGGAGATTGAGCCACCTTATAAACCAAAAAGCTTGTGGGCGAAACGCTGAAAACCTCGAC  
 CGGTTTTTACCCGCCATCCACCAGTCTAACACCTCCTGACCAGGAAGTCATCAGGAATATTGACCAAT  
 CAGAATTCGAAGGATTTCTTTGTTAACTCTGAATTTTTAAACCCGAAGTCAAGAGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_012713
- Insert Size:** 2022 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\\_012713.3](#), [NP\\_036845.3](#)

**RefSeq Size:** 3006 bp

**RefSeq ORF:** 2022 bp

**Locus ID:** 25023

**Cytogenetics:** 1q36

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

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.