

Product datasheet for **RN211929**

Prkcg (NM_012628) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkcg (NM_012628) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkcg
Synonyms:	PKC; PKCI; Prkc; Prkcc; RATPKCI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211929 representing NM_012628
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGTCTGGGTCTGGCGGGGGCAGCTCAGAAGGGGACCCCGACCCTGTTTTGCAGAAAGGGG
 CGCTGAGGCAGAAGGTGGTCCACGAGGTGAAGAGCCACAAGTTCACCGCTCGTTTCTCAAGCAGCCAAC
 CTTCTGCAGTCACTGTACCGACTTCATCTGGGGCATTGGAAGCAGGGCCTGCAATGTCAAGTCTGCAGC
 TTTGTGGTTACCGCCGATGCCACGAATTTGTGACCTTCGAGTGTCCAGGAGCTGAAAGGGCCCCCAGA
 CGGACGACCCCTCGCAACAAGCACAAGTTCGGTCTGCACAGCTACAGCAGTCCCACCTTCTGCACCCTG
 TGGTTCCTCTCTACGGGCTGGTGCACCAGGGCATGAAATGTTCTGTTGCGAAATGAATGTGCACCGA
 CGCTGTGTGCGCAGCGTGCCTCCCTTTGCGGCGTGGACCATACAGAGCGCCGTGGACGTCTGCAACTGG
 AAATCCGGGCTCCACATCAGATGAGATCCATATTACTGTGGGTGAGGCCGGAACCTCATTCTATGGA
 CCCAATGGCCTGTCTGATCCCTATGTGAAACTGAAGCTCATCCCGACCCTCGAACCTGACAAAAACAG
 AAGACAAAGACCGTGAAAGCCACACTGAATCCCGTGTGGAACGAGACCTTCGTGTCAACCTGAAGCCGG
 GGGATGTGGAGCGCCGGCTCAGTGTGGAGGTGTGGGATTGGGATAGGACATCCCGAAATGACTTCATGGG
 TGCCATGTCTTTGGTGTCTCAGAGCTACTCAAGGCTCCTGTGGATGGATGGTACAAGTACTGAACCAG
 GAGGAGGGCGAGTATTACAATGTACCGTGGCCGATGCTGACAACTGCAGCCTCCTCCAGAAGTTTGAGG
 CCTGTAATTACCCTTGGAAATGTATGAGAGAGTGCAGGATGGGCCCTCTTCTCTCCATTCTCTCTCC
 ATCCCCAGTCCCACGGACTCCAAGAGATGCTTCTTCGGTCCAGCCAGGACGCTGCATATCTCTGAC
 TTCAGCTTCTCATGGTTCTAGGAAAGGCAGTTTTGGGAAGGTGATGCTGGCAGAGCCAGAGGATCCG
 ATGAACCTATGCCATCAAGATACTGAAAAAGACGTCATTGTCCAGGATGATGATGATAGACTGCACCT
 TGTGGAGAAGCGTGTGCTGGCATTGGGAGCCGAGGTCCTGGAGGCCGGCCACACTTCTCACACAACTT
 CATTCCACCTTTCAGACTCCGGACCGCCTGATTTTTGTGATGGAGTACGTCACTGGGGGCGATTTAATGT
 ACCACATTAGCAACTGGGCAAGTTAAGGAGCCCAAGCAGCATTCTATGCCCGGAAATCGCCATAGG
 CCTCTTCTCCTTACAACCAGGGCATCATCTACAGGGACCTCAAGTTGGATAATGTGATGCTGGATGCT
 GAAGGACACATCAAGATCACAGACTTCGGCATGTGTAAGAGAATGTCTTCCCTGGGTCCACAACCCGCA
 CCTTCTGTGGGACCCAGACTACATAGCACCTGAGATCATTGCCTATCAGCCCTATGGGAAGTCTGTGCA
 CTGGTGGTCTTTGGAGTCTGTGATGAGATGTTGGCAGGACGCCACCTTTGATGGGAAGATGAG
 GAGGAGCTGTTTCAAGCCATCATGGAACAACTGTCACCTATCCCAAGTCACTTTCCCGGAAGCTGTGG
 CCATCTGCAAGGGTTCCCTGACCAAGCACCAGGAAAGCCCTGGGCTCAGGGCCAGATGGGGAACCCAC
 CATCCGGGCTCATGGCTTTTTCCGTTGGATCGATTGGGAGAGGTTGGAGAGACTGAAATTCGCGCTCCT
 TTTAGACCACGTCCTGTGGCCGACGGCGGAAAACCTTTGACAAGTTCTTACGCGGGCAGCGCCAGCCT
 TGACCCCGCCAGACCGCTTGGTCTAGCCAGCATCGACCAAGCTGATTTCCAGGGCTTACTTATGTGAA
 CCCGGACTTCGTGACCCAGATGCCCGCAGCCCCACAAGCCCTGTGCCTGTGCCGTCATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012628
- Insert Size:** 2094 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_012628.1](#), [NP_036760.1](#)

RefSeq Size: 3113 bp

RefSeq ORF: 2094 bp

Locus ID: 24681

UniProt ID: [P63319](#)

Cytogenetics: 1q12

Gene Summary: enriched in the neurons of the central nervous system and the spinal cord [RGD, Feb 2006]