

Product datasheet for **RN211440**

Prkcd (NM_133307) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkcd (NM_133307) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkcd
Synonyms:	Pkcd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211440 representing NM_133307
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACCGTTCTCGCATCTCCTTCAATTCCTATGAGCTGGGCTCCCTGCAGGCGGAGGACGACGCAA
 GCCAGCCTTTCTGTGCCGTGAAGATGAAGGAGGCACTCACACAGACCGAGGGAAGACTCTGGTACAGAA
 GAAGCCCACCATGTACCCTGAGTGAAGTCAACATTTCGACGCCACATCTATGAAGGCCGTGCATCCAG
 ATCGTGCTGATGCGGGCAGCTGAAGACCCCATGTCGGAGGTGACCGTGGGCGTGTGAGTGTGGCTGAGC
 GCTGCAAGAAGAACAACGGCAAGGCTGAGTTCTGGCTGGACCTGCAGCCTCAGGCCAAGGTGCTGATGTG
 TGTGCAGTATTTCTGGAGGATGGGGATTGCAACAGTCCATGCGTAGTGAGGAGGAGGCCATGTTCCCA
 ACTATGAACCGCCGTGGAGCCATTAACAGGCCAAGATTCCTACATCAAGAACCAGAGTTCATCGCCA
 CCTTCTTTGGGCAGCCACCTTCTGTTCTGTGTGCAAAGAGTTTGTCTGGGGCTCAACAAGCAAGGCTA
 CAAATGCAGGCAATGCAACGCTGCCATCCATAAGAAATGCATCGACAAGATTATCGGCCGCTGCACTGGC
 ACTGCTACCAATAGCCGGGACACCATCTCCAGAAAGAACGCTTCAACATCGACATGCCTCACCGATTCA
 AGGTCTATAACTACATGAGCCCCACCTTCTGTGACCACTGTGGCACTTTGCTCTGGGGATTGGTGAACA
 GGGATTAAGTGTGAAGACTGCGGCATGAATGTGCACCACAAATGCCGGGAGAAGGTGGCCAACCTGTGT
 GGTATCAACAAAAGCTCTTGGCTGAGGCTTGAACCAAGTGACCAGAAAGCTTCCCGAAGCCAGAGA
 CACCAGAGACTGTCGGAATATACCAGGGATTGAGAGAAGAAGACAGCTGTCTCTGGGAATGACATCCCAGA
 CAACAACGGGACCTATGGCAAGATCTGGGAGGGGAGCAACCGGTGCCGCTTGAAGAACTTCACTTCCAG
 AAAGTACTTGGCAAAGGACGCTTGGCAAGGACTGCTTGCAGAACTGAAGGGCAAGGAAAGTACTTTG
 CAATCAAGTACCTGAAGAAGGACGTGGTGTGATCGACGATGACGTGGAGTGCACCATGGTGGAGAAGCG
 GGTGCTGGCGCTCGCCTGGGAGAATCCCTTCTCACCCATCTCATCTGTACCTTCCAGACCAAGGACCAC
 CTCTTCTTTGTGATGGAGTTCCTCAATGGGGGCGATCTGATGTTCCACATTCAGGACAAAGGCCGCTTCG
 AACTCTACCGGGCTACGTTTTATGCAGCTGAGATCATCTGCGGACTGCAGTTTCTACATGGCAAAGGCAT
 CATTTACAGGGACCTCAAGCTAGACAATGTAATGCTGGACAAGGATGGCCACATCAAGATTGCTGACTTC
 GGGATGTGCAAAGAGAATATATTTGGGGAAGCCGGCCAGCACATTCTGCGGCACTCTGACTACATCG
 CCCCTGAGATCCTGCAGGGCCTGAAGTACTCATTTTCCGTGGACTGGTGGTCTTTTGGGGTCTCTCTA
 TGAGATGCTCATTGGCCAGTCCCCTTCCATGGTATGATGAGGACGAGCTCTTTGAGTCCATCCGGGTG
 GACACACCACACTACCCGCGCTGGATCACCAAGGAGTCCAAGGACATCATGGAGAAGCTCTTCGAGAGGG
 ACCCTGCCAAGAGGCTGGGAGTAACAGGAAACATCAGGCTTACCCTTTTTCAAGACTATCAACTGGAA
 CCTGCTGGAGAAGCGGAAGGTGGAGCCGCCCTTAAGCCCAAAGTGAATCCCCTTCAGACTACAGCAAC
 TTTGACCCAGAGTTCTGAATGAGAAACCCCACTTCTCTTCAAGTACAAGAACCCTCATCGACTCTATGG
 ACCAGACAGCCTTCAAGGGCTTCTCTTTGTGAACCCCAATATGAGCAATTCTGGAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_133307
- 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_133307.1](#), [NP_579841.1](#)

RefSeq Size: 2909 bp

RefSeq ORF: 2022 bp

Locus ID: 170538

UniProt ID: [P09215](#)

Cytogenetics: 16p16

Gene Summary: mediates mitochondrial-dependent apoptosis [RGD, Feb 2006]