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Product datasheet for RN212849

Prkce (NM_017171) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkce (NM_017171) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkce
Synonyms:	Pkce
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>RN212849 representing NM_017171
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTAGTGTTCAATGGCCTTCTTAAGATCAAAATCTGCGAGGCCGTGAGCTTGAAGCCCACAGCCTGGT
CGCTGCGCCATGCGGTGGGACCCCGGCCCCAGACGTTCCTTCTGGACCCCTACATTGCCCTTAACGTGGA
CGACTCGCGCATCGGCCAAACAGCCACCAAGCAGAAGACCAACAGTCCGGCCTGGCACGATGAGTTCGTC
ACTGATGTGTGCAATGGGCGCAAGATCGAGCTGGCTGTCTTTCACGATGCTCCTATCGGCTACGACGACT
TCGTGGCCAACTGCACCATCCAGTTCGAGGAGCTGCTGCAGAATGGGAGCCGTCACTTCGAGGACTGGAT
TGATCTGGAGCCAGAAGGAAAAGTCTACGTGATCATCGATCTCTCGGGATCATCGGGCGAAGCCCCTAAA
GACAATGAAGAACGAGTGTTTAGGGAGCGGATGCGGCCAAGGAAGCGCCAAGGGGCTGTCAGGCGCAGGG
TCCACCAGGTCAATGGCCACAAGTTCATGGCCACCTACTTGCGGCAGCCCACCTACTGCTCCCACTGTAG
GGATTTCATCTGGGGTGTCATAGGAAAACAGGGATATCAATGTCAAGTTTGTACCTGCGTCGTCCACAAA
CGATGCCATGAGCTCATTATTACGAAGTGCGCTGGGCTAAAGAAACAGGAAACCCCTGACGAGGTGGGCT
CCCAACGCTTCAGCGTCAACATGCCCCACAAGTTCGGGATCCACAACTACAAGGTCCCCACGTTCTGTGA
CCACTGTGGCTCCCTGCTCTGGGGCCTCTTGCGGCAGGGCCTGCAGTGTAAAGTCTGCAAAATGAATGTT
CACCGTCGATGCGAGACCAACGTGGCTCCCAATTGTGGGGTGGACGCCAGAGGAATTGCCAAGGTGCTGG
CCGATCTTGGCGTTACTCCAGACAAAATCACCAACAGTGGCCAGAGAAGGAAAAAGCTCGCTGCTGGTGC
TGAGTCCCCACAGCCGGCTTCTGGAAACTCCCCATCAGAAGACGACCGATCCAAGTCAGCGCCCACCTCC
CCTTGTGACCAGGAACTAAAAGAACTTGAAAACAACATCCGGAAGGCCTTGTCATTTGACAACCGAGGAG
AGGAGCACCGAGCCTCGTCGTCTACTGATGGCCAGCTGGCAAGCCCTGGCGAGAACGGTGAAGTCCGGCA
AGGCCAGGCCAAGCGCTTGGGCCTGGATGAGTTCAACTTCATCAAGGTGTTAGGCAAAGGCAGCTTTGGC
AAGGTCATGCTGGCCGAGCTCAAGGGTAAGGATGAAGTCTATGCTGTGAAGGTCTTAAAGAAGGACGTCA
TCCTGCAGGATGACGACGTGGACTGCACGATGACAGAGAAGAGGATTTTGGCTCTGGCGCGGAAACACCC
TTATCTAACCCAACTCTATTGCTGCTTCCAGACCAAGGACCGGCTCTTCTTCGTCATGGAATATGTAAAC
GGTGGAGACCTCATGTTCCAGATTCAGCGGTCCCGAAAATTCGATGAGCCTCGTTCCGGGTTCTATGCTG
CCGAGGTCACATCTGCTCTCATGTTTCTCCACCAACATGGAGTGATCTACAGGGATTTGAAACTGGACAA
CATCCTTCTAGATGCAGAAGGTCACTCCAAGCTGGCTGACTTTGGGATGTGCAAGGAAGGGATTCTGAAT
GGCGTGACAACTACCACCTTCTGTGGGACTCCTGACTACATAGCTCCAGAGATCCTGCAGGAGTTGGAGT
ACGGCCCCTCAGTGGACTGGTGGGCCCTGGGCGTGCTGATGTACGAGATGATGGCCGGGCAGCCCCCCTT
TGAAGCTGACAACGAGGACGACTTGTTTGAATCCATCCTTCACGATGACGTTCTCTACCCTGTCTGGCTT
AGCAAGGAGGCTGTCAGCATCCTGAAAGCTTTCATGACCAAGAACCCGCACAAGCGCCTGGGCTGCGTGG
CAGCACAGAACGGGGAAGATGCCATCAAGCAACATCCATTCTTCAAGGAGATTGACTGGGTACTGCTGGA
GCAGAAGAAAATGAAGCCCCCCTTCAAGCCGAGAATTAAAACCAAGAGAGATGTCAATAACTTTGACCAA
GACTTTACCCGGGAAGAGCCAATACTTACACTTGTGGATGAAGCAATCGTGAAGCAGATCAACCAGGAAG
AATTCAAAGGCTTCTCCTACTTTGGTGAAGACCTGATGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017171

Insert Size: 2214 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_017171.1, NP_058867.1
RefSeq Size:	2704 bp
RefSeq ORF:	2214 bp
Locus ID:	29340
UniProt ID:	P09216
Cytogenetics:	6q12
Gene Summary:	has phospholipid and diacylglycerol-dependent activity; plays a role in ouabain induced Na+/K+-ATPase mediated signal transduction in cardiac myocytes [RGD, Feb 2006]