

Product datasheet for **RN217128**

Prkcq (NM_001276721) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkcq (NM_001276721) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prkcq
Synonyms:	Pkcq
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217128 representing NM_001276721
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCACCGTTTCTTGAATTGGTTTATCCAACCTTACTGTGGGACCTGTCAAGCTTGTACAGGAGAGG
 CGGTGAACCCCTACTGTGCCGTGCTTGTCAAAGAGTATGTGGAATCAGAAAACGGGCAGATGTACATCCA
 GAAAAAGCCGACCATGTACCCGCTTGGGACAGCACCTTTGATGCCACATTAACAAGGGAAGGGTGATG
 CAGATCATCGTGAAGGCAAAAATGTAGACCTCATATCAGAAACCACCGTGGAGCTCTACTCCCTGGCAG
 AGAGATGCCGCAAGAACAATGGGCGGACAGAAATATGGTTAGAGCTGAAACCTCAAGGCCGAATGCTAAT
 GAATGCAAGATACTTTCTGGAATGAGTGACACAAAGGACATGAGTGAATTTGAGAACGAAGGATCTTT
 GCACTGCATACCCGCGAGGCGCCATCAAACAAGCCAAAGTCCACCACGTCAAGTGTACGAGTTACAG
 CCACCTTTTTCCCTCAACCCACGTTCTGCTCTGTCTGCCATGAATTTGTCTGGGGCTGAACAAGCAGGG
 CTACCAGTGCCGACAATGTAATGCAGCGATTACAAGAAGTGCATCGATAAAGTGATAGCCAAGTGACA
 GGATCGGCGATCAATAGTCGAGAGACCATGTTCCACAAGGAGAGATTCAAGATCGACATGCCACACAGAT
 TCAAAGTCTACAACATAAGAGTCCAACCTTCTGTGAGCACTGTGGTACCTGCTATGGGGCTGGCGAG
 GCAAGGTCTCAAGTGTGATGCATGTGGCATGAACGTCCACCACCGATGCCAGACAAGGTTGCCAACCTC
 TGTGGTATAAACCAGAAGCTAATGGCTGAAGCGCTAGCAATGATTGAAAGCACTCAACAGGCTCGCACCT
 TAAGAGATTCAGAACACATCTCCGAGAAGGACCAATTGAAATCAGTTTCCCGCGCTCCATCAAAAGTGA
 AACCAGGCCACCATGCGTACCAACACCTGGGAAAAAGAACCCAGGGAATTTGCTGGGAGTCCCCTTTG
 GATGGGGCAGATAAAACGGCCAGCCTCCTGAACCTGAAGTGAACCTTCAAAGGGCTTCTCTGCAACTGA
 AACTGAAGATCGATGACTTCCTGCACAAGATGCTGGGAAAGGAAGTTTTGGCAAGGCTTCCCTGGC
 AGAGTTCAAGAGAACCAACAGTTTTTCGCAATAAAAGCCTTAAAGAAAGATGTGGTGTGATGGACGAT
 GACGTCGAGTGCACGATGGTGGAGAAGAGATTCTGTCCTTGGCCTGGGAGCATCCGTTTCTTACACACA
 TGTCTGCACATTCCAGACCAAGGAAAATCTTTTTCTGATGGAGTATCTCAATGGAGGAGACTTAAT
 GTACCACATCAAAGTTGCCACAAATTTGATCTTCCAGAGCCACGTTTTATGCTGCTGAGATCATCCTT
 GGTCTACAGTTCCCTTATTCAAAGGAATTGTCTACAGGGACCTGAAGCTAGATAATATCCTGTTAGACA
 GAGATGGCCATATCAAAATAGCAGACTTTGGGATGTGCAAAGAGAATATGCTGGGAGATGCGAAGACAAA
 TACTTTCTGTGGGACGCTGACTACATCGCTCCGGAGATCTTGTGGTCAAGAAACAACCATCCGTT
 GACTGGTGGTCCCTTTGGGTTCTTCTTTACGAGATGCTGATTGGCCAGTCGCCTTCCACGGGCAGGACG
 AAGAGGAGCTTTTCCACTCCATCCGATGGACAATCCCTTTTACCAAGGTGGCTAGAAAAGGAGGCCAA
 GGATCTTCTAGTGAAGCTTTTTGTGAGAGAGCCTGAAAAGAGGCTGGGAGTGAGAGGAGACATCCGCCAG
 CATCCTTTGTTTCGAGAGATCAACTGGGAAGAGCTTGAGAGAAAAGAGATTGACCCACCTTCAGACCAA
 AAGTGAATCACCATATGACTGTAGCAATTTGACAAGGAATTCCTAAGTGAGAAACCCCGGCTATCGTT
 CGCTGACAGAGCACTCATCAACAGCATGGACCAGAACATGTTTCAGCAACTTCTCCTTCATTAACCCGGG
 ATGGAGACTCTCATTTGCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001276721
Insert Size: 2124 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_001276721.1, NP_001263650.1</u>
RefSeq Size:	3370 bp
RefSeq ORF:	2124 bp
Locus ID:	85420
Cytogenetics:	17q12.3
Gene Summary:	mediates the integration of TCR- and CD28-derived signals leading to NFk-B transcription factor activation necessary for efficient IL-2 production and T cell proliferation [RGD, Feb 2006]