

Product datasheet for **MC221428**

Prkg2 (NM_008926) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkg2 (NM_008926) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prkg2
Synonyms:	AW212535; cGK-II; CGKII; Prkgr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221428 representing NM_008926
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAAATGTTTCAGTGAAGCCCAAGCATGCTAAGCACCCAGATGGCCATTCAGGGAACCTCAGCAATG
 AAGCCCTGCGGAGCAAGGTGTTGGAGCTGGAGCGGGAGCTGAGGAGGAAGGACCGCGAATTCAGGAACG
 GGAGTACCACCTGAAGGAGCTTCGGGAGCAGCTGGCCAAGCAGACCGTGGCCATCGCAGAGCTCAGAGAA
 GAACTGCAGAGCAAGTGCATCCAGCTGAACAAGCTGCAGGATGTGATCCACGTGCAGGGAGGAAGCCAC
 TGCAGGCCCTCCCGACAAAGTGCCTCTGGATGTTACCAGCAAGACCTCAGGCTTGGTCTCGCTCCACAG
 CAGGAGGGGGCGAAGGCTGGAGTGTCTGCAGAGCCAACCACCCGAACCTATGACCTCAACAAACCCCCC
 GAGTTTTCTTTGAGAAAGCGAGAGTCAAGGAGATTCCAGTGAAGAAAGCTCATCACAGATGCCCTGA
 ATAGAACCAGTTTCTGAAGAGATTGGATCCCCAGCAGATCAAGGACATGGTGAATGCATGACGGGAG
 AAATATCAACAGGGCAGCTACGTCATTAAGCAGGGGGAACAGGCAACCATATCTTTGTGCTGGCCGAG
 GGTAGACTTGAGGTGTTCCAGGGAGAGAAGTTGCTATCATCCATCCCAATGTGGACCACGTTTGGGGAAC
 TGGCTATTTGTACAACCTGACTCGGACTGCCTCAGTGAAGCGATTACCAATGTTAAAACCTGGGCCCT
 CGATAGAGAGGTTTTCCAGAACATTATGAGGAGAACAGCCCAAGCCCGGGATGAGGAGTACAGAACTTC
 CTCAGAAGTGTCTCCTGTTGAAGAATTAACCTGAAGCAAACTAACCAAGATCATTGACTGCTTGGAA
 TGGAACTATGACAAAGGAGATTACATCATCAGAGAAGGAGAAGAAGGGAGCACCTTTTTCAATTTGGC
 AAAAGGCAAGGTGAAAGTACACAGAGCACAGAGGGCCATGATCAGCCACAGTTGATCAAGACACTGCAG
 AAATGATGTGCGATGCCTCGTATAGATCGAGAAACATTAACCAAACTGTCGGGACATTTGATGAAG
 CCAAAAATATCTTGAGGGGTATGTGGCCACCCTGAACCGTGACGATGAAAAAAGACACGCAAGCGCTCC
 ATGCTAGCTGGAAGCTGTCCAAGCCCTTCTCTGGAGATGATTCAGCTGAAAGAGAAGGTGGCCCGAT
 TCTCTCAACCTCCCATCCAGAACCTCGAGATTATCGCAACACTGGGCGTTGGTGGGTTGGAAAGAGT
 GGAGCTTGTTAAAGTAAAAATGAGAAATGTTGCTTTTGGCATGAAGTGTATAAGGAAGAAGCACATTGTT
 GATACAAAGCAGCAAGAACATGTCTACTCAGAAAAGAGGATCCTGGAAGAGCTGTGTTCTCCCTCATCG
 TGAAGTTGATCGTACTTCAAGGACAATAAATATGTATACATGCTTCTGGAGGCTGCTTAGGTGGGA
 GCTGTGGAGTACTGAGGGACAGAGGCAGCTTCGATGAACCCACCTCCAATTTCTGTGTCGCTTGTGTG
 ACAGAAGCATTGATTATCTGCACCGACTAGGCATCATCTACAGAGACCTGAAGCCAGAGAACTTAATTC
 TGGATGCCGATGGCTACCTTAAGTTGGTTGACTTTGGATTGCTAAGAAGATTGGCTCTGGACAGAAAAC
 GTGGACATTCTGTGGACTCCAGAGTATGTGGCCCCGAGGTCATTCTTAACAAAGGACATGACTTCAGT
 GTGGATTTCTGGTCCCTGGGATTCTGGTCTATGAGCTCCTAACGGGCAACCCCTCCCTTTTCTGGGATAG
 ACCAAATGATGACCTACAATTTGATTCTCAAGGGAATCGAGAAAATGGATTTCCCGAGAAAGATAACAAG
 GCGCCCTGAGGATTTGATCCGGAGGCTTTCAGGCAAAACCAACAGAAAGGCTGGGAAATCTGAAGAAC
 GGGATCAACGACATTAAGAAACACAGGTGGTTAAATGGTTTTAATTGGGAAGGCTGAAAGCACGGAGCC
 TTCCGTACCTTTACGGAGAGAGCTCAGTGGCCCCATAGATCACAGCTACTTTGACAAGTATCCTCTGA
 AAAGGGGTGCCTCCGGATGAAATGTCAGGCTGGGATAAAGACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_008926
Insert Size: 2289 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:	<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:	NM_008926.4 , NP_032952.3
RefSeq Size:	4696 bp
RefSeq ORF:	2289 bp
Locus ID:	19092
Cytogenetics:	5 48.35 cM