

Product datasheet for **RN215529**

Kcnj12 (NM_053981) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnj12 (NM_053981) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnj12
Synonyms:	IRK2; Kir2.1; Kir2.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215529 representing NM_053981
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGCAGCCAGTCGGGCCAACCCCTACAGCATCGTATCATCAGAGGAGGACGGGCTGCACCTGGTTA
 CCATGTCAGGCGCCAACGGTTTTGGCAATGGCAAGGTGCATACACGGCGCCGGTGCCGAACCGCTTGT
 CAAGAAGAACGGTCAGTGAACATTGAATTCGCCAACATGGATGAGAAGTCACAGCGCTACCTGGCTGAC
 ATGTTTACCACATGTGTGGATATCCGCTGGCGCTACATGCTGCTCATCTTCTCTCTGGCCTTTCTTGCT
 CCTGGTTGCTGTTCCGGCATCATCTTCTGGGTATTGCGGTGCGCCACGGAGACCTGGAGCCGGCTGAGGG
 CCGCGGCCGTACACCCTGTGTGTACAGGTCCATGGCTTTATGGCAGCCTTTCTTCTCCATTGAGACG
 CAGACCACATTGGCTACGGGCTACGATGCGTGACTGAAGAGTGGCCAGTGGCTGTCTTCATGGTGGTGG
 CTCAGTCCATTGTGGGCTGCATCATTGACTCCTTCATGATCGGCGCCATCATGGCCAAGATGGCGCGGCC
 CAAGAAGCGAGCAGACTCTGCTTTTCAGCCACAATGCCGTGGTGGCTCTGCGTGACGGCAAGCTCTGC
 CTATGTGGCGCGTGGGCAACCTGCGCAAGAGCCACATCGTAGAGGCCACGTGCGGAGCCAGCTCATCA
 AGCCCAGGGTCACAGAAGAGGGTGAGTACATCCCCTGGACCAGATTGACATTGACGTTGGCTTTGACAA
 GGGCCTGGATCGTATCTTCTAGTATCGCCATCACCATCTTGCACGAGATTGATGAGGCCAGCCACTG
 TTTGGCATTAGCCGTCAGGACCTCGAGACGGACACTTTGAGATCGTGGTCATCCTGGAAGGCATGGTAG
 AGGCCACAGCCATGACCACCCAGGCTCGCAGTTCTACCTGGCCAACGAGATCCTCTGGGGTCATCGCTT
 TGAGCCAGTGTCTTTCGAAGAGAAGAACCAGTACAAGATTGACTACTCACACTCCACAAGACCTATGAG
 GTGCCATCTACACCCCGCTGCAGCGCCAAGGACCTGGTGGAGAACAAGTTCCTTCTGCCAGTGCCAACT
 CTTTCTGCTATGAGAATGAGCTAGCCTTCTGAGCCGAGATGAGGAGGATGAGGTGGCTACAGACCGGGA
 TGCCCGCAGCCCTCAGCCTGAGCATGACTTTGACAGGCTGCAGGCCAGCAGTGGTCCCTTGAGCGGCC
 TACAGACGGGAGTCAGAGATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053981

Insert Size: 1284 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_053981.2, NP_446433.2

RefSeq Size: 2283 bp
RefSeq ORF: 1284 bp
Locus ID: 117052
Cytogenetics: 10q22
Gene Summary: inward rectifier potassium channel [RGD, Feb 2006]