

Product datasheet for **RN211607**

Kcnj16 (NM_053314) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnj16 (NM_053314) Rat Untagged Clone
Tag: Tag Free
Symbol: Kcnj16
Synonyms: Kir5.1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211607 representing NM_053314
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCTATTACGGAAGTAGCTACCGGATTGTCAACGTGGACTCCAAATATCCAGGCTATCCTCCAGAGC
ATGCCATAGCCGAGAAGAGAAGAGCGAGGAGCGCCTGCTCCACAAGATGGCAGCTGTAACGTGTACTT
TAAACACATTTTTGGAGAATGGGGAGCTACATGGTTGATATATCCACCCTTGTGGATACCAAGTGG
CGCCATATGTTTGAATATTTCTTTGTCTTACATTCTCTCCTGGTTGATATTCGGCTCCATATTTTGGC
TCATAGCCCTTATCACGGAGACCTATTAGCGATCCAGACATCACCCCGTGCCTGGACAACGTGCATTC
ATTTACGGCGCGCTTTTTATTCTCCCTTGAGACCCAAACCACCATCGGGTACGGTTACCGTTGTGTACAG
GAAGAATGCTCTGTGGCCGTGCTGACGGTCATCCTTCAGTCCATCCTGAGCTGCATATAAACACCTTCA
TCATTGGGGCAGCCTTGGCAAAGATGGCGACCCCGGAAGCGAGCCAGACCATCCGCTTCAGCTATTT
CGCACTCATCGGCATGAGAGACGGGAAGCTTGCCTCATGTGGCGCATAGGTGACTTCCGACCCAACCAT
GTGGTGGAGGGCACGGTGAGAGCCCAACTTCTGCGCTATTGAGAGACAGCGAAGGGCGGATGACGATGG
CGTTTAAAGACCTCAAACCTCGTCAATGACCAGATAATCCTGGTAACGCCAGTGACCATTGTCCATGAAAT
TGACCACGAGAGTCTCTGTATGCCCTTGACCGCAAGGCAGTGGCCAAAGATAATTTTCGAGATTCTGGTG
ACATTTATTTATACTGGTACTCTACTGGGACATCCCACCAAGTCCAGAAGTTCCTACGTCCCCAGAGAAA
TTCTCTGGGGACACAGGTTTCATGATGATTGGAAGTGAAGAGAAAGTACTACAAGGTAAGTCTGCTGCA
GTTTGGAGGAAGCGTGGAAAGTCTACGCCCTTTTGCAGTGCCAAACAAGTGGACTGGAAGGACCAACAG
CTCAACAACCTGGAGAAAACGTCCCTGCCCGAGGATCCTGCACCTCGGACACCAACACCAGGAGGAGAT
CCTTCAGCGCAGTTGCCATGGTGTGAGCAGCTGTGAGAACCCAGAGGAGACCAGCCTGTCCCAACAAGATGA
GTGTAAGGAGGTCCCTATCAGAAAGCCCTCTGACTTTAAACAGGATCTCCATGGAATCCAGATG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053314
Insert Size:	1260 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_053314.2 , NP_445766.2
RefSeq Size:	1803 bp
RefSeq ORF:	1260 bp
Locus ID:	29719
Cytogenetics:	10q32.1
Gene Summary:	inward rectifying potassium channel; may be involved in renal pH regulation [RGD, Feb 2006]