

Product datasheet for RN205278

Kcnj14 (NM_170718) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Kcnj14 (NM_170718) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Kcnj14
 Synonyms: Kir2.4
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN205278 representing NM_170718
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTTGGCCAGGGCCCTGCGCCGCTGAGCGGCGCGCTGGAGCCAGGAAACAGTCGAGCTGGTGATG
 AGGAGGAGGCGGGGCGGGCTGTGCCAATGGGTGGGCGCCTGGCCAGTAGCTGGGAACCGGCGCC
 TGGACGCTTCGTCAAAAAGATGGGCACTGCAATGTGCGCTTCGTGAATCTGGGTGGCCAGGGCGCGCC
 TACCTAAGTGACCTGTTACCACATGTGTGGACGTGCGCTGGCGCTGGATGTGCCTGCTCTCTCCTGTT
 CCTTCCTCGCCTCCTGGTTGCTTTCGGCCTGACCTTCTGGCTCATCGCCTCGCTGCACGGCGACCTGGC
 TGCCCCGCCACCACCGGCTCCCTGTTTCTCGCAAGTGGCCAGCTTCTGGCTGCCTTCTCTTTGCACTG
 GAGACACAGACGTCCATAGGCTATGGTGTGCGCAGCGTCACCGAAGAGTGTCCAGCTGCTGTGGCCGCTG
 TGGTGTGCAGTGCATCGCAGGCTGTGTGCTCGACGCCTTCGTCGTGGGTGCAGTTATGGCCAAGATGGC
 CAAGCCCAAGAAACGCAACGAGACACTGGTCTTCAGTGAGAACGCAAGTGGTGGCTCTGCGAGACCGCCG
 CTCTGTCTCATGTGGCGGGTGGCAACCTGCGCCGAAGTCACTGGTGGAGGCGCACGTGCGGGCCAGC
 TGCTGCAGCCCCGTGTGACCCAGAGGGGAGTACATCCCACTGGACCACCAGGATGTGGATGTTGGTTT
 TGACGGAGGCACCGATCGCATCTTCCTCGTATCCCCATTACCATTGTGCATGAGATTGACTCTGCCAGT
 CCACTGTATGAGCTGGGCGGGCCGAGCTGGCCCCGGGCTGACTTCGAGCTGGTGGTCATTCTGAAGGTA
 TGGTTGAGGCCACAGCCATGACTACACAATGCCGCTCATCTTACCTCCCAGGTGAGCTGCTCTGGGGACA
 TCGCTTTGAGCCAGTCTCTCCAGCGTGGCTCCCAGTATGAGGTTGACTATCGACACTTCCACCGAACG
 TATGAGGTCCCGGGGACGCCAGTCTGCAGTGCCAAAGGAGCTGGATGAGCGGGCAGAGCAGGCTTCTACA
 GCCCTAAGTCAAGTTTCTGGTCCCTTGCTGCATTTTGTATGAGAATGAACTAGCGCTGAGCTGCTG
 CCAGGAGGAAGATGAAGAAGAGGACACTAAGGAGGGGACTTCAGCAGAGACCCAGATAGGGCTGCCAGC
 CCCAAGCTCTTACCCAACCCTGGCACTGACCCTGCCTCCATGA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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|-------------------------------|---|
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_170718 |
| Insert Size: | 1305 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: | <u>NM_170718.1</u> , <u>NP_733836.1</u> |
| RefSeq Size: | 2751 bp |
| RefSeq ORF: | 1305 bp |
| Locus ID: | 276720 |
| UniProt ID: | <u>O70596</u> |
| Cytogenetics: | 1q22 |
| Gene Summary: | inwardly rectifying K ⁺ channel; involved in controlling excitability of motoneurons [RGD, Feb 2006] |