

Product datasheet for RN204659

Kcnj8 (NM_017099) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnj8 (NM_017099) Rat Untagged Clone
Tag: Tag Free
Symbol: Kcnj8
Synonyms: Kir6.1; uKATP-1; UKATP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204659 representing NM_017099
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGCCAGGAAGAGCATCATCCCGGAGGAGTATGTGCTGGCCCGCATCGCGGCGGAGAACCTGCGCA
 AACCGCGCATCCGCGACCGCCTCCCAAAGCCCGCTTCATCGCCAAGAGCGGAGCCTGCAACCTGGCTCA
 CAAGAACATCCGAGAGCAAGGTCGCTTCTGCAGGACATCTTACCACCTTGGTAGACCTGAAGTGGCGT
 CACACGCTGGTCATCTTACCATGTCTTCTCTGCAGCTGGCTGCTCTTCGCTATCATGTGGTGGCTGG
 TGGCTTCGCCCACGGGACATCTATGCTTACATGGAGAAAGGCATCACGGAGAAGAGTGGCTGGAGTC
 TGCCGTCTGTGTACCAATGTCAGGTCATTCACTTCTGCGTTTCTCTTCTCCATCGAGGTTCAAGTGACC
 ATGGGTTTGGAGGGAGAATGATGACTGAGGAGTGCCCTCTGGCCATCACGGTTTTGATTCTGCAGAACA
 TTGTGGTCTGATCATCAACGCGGTCATGTTGGGCTGCATCTTCATGAAGACGGCCAGGCCACAGAAG
 GGCAGAGACGCTGATTTTCAGCCGCATGCTGTAATTGCGGTCCGTAATGGCAAGCTGTGCTTATGTTT
 CGGTGGGTGACCTGAGGAAAAGCATGATCATTAGCGCCTCGGTGCGCATCCAGGTGGTCAAGAAAACCA
 CGACGCCAGAAGGAGAGTGGTGCCTATTCACCAGCAGGACATCCCTGTGGATAATCCCATCGAGAGCAA
 TAACATCTTCTAGTGGCCCTTTGATCATCTGCCATGTGATTGATAAGGGTAGCCCCCTGTACGATATC
 TCAGCCACTGACCTTGTCAACCAAGACCTGGAGGTCATAGTGATTCTCGAGGGCGTGGTGGAAACCACGG
 GCATCACACGCAAGCGCGGACCTCCTACATTGCAGAGGAGATCCAGTGGGGACACCGCTTCGTGTGAT
 TGTGACTGAGGAGGAGGAGTGTACTCTGTGGACTATTCTAAATTTGGTAATACTGTGAGAGTGGCGCG
 CCAAGATGCAGTGCCCGGAGCTGGACGAGAACTTCCATCTTGATTGAGACCTCCAAAAGAGTGAAC
 TGTGCGACCAGAATTCTCTGAGGAAGCGCAACTCTATGAGAAGAAACAACTCCATGAGGAGGAGCAACT
 CATCCGGAGGAATAACTTCTCCCTCATGGTGCCCAAGGTGCAATTCATGACTCCAGAAGGAAACCAGTGC
 CCATCAGAATCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017099
Insert Size:	1275 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_017099.4</u> , <u>NP_058795.3</u>
RefSeq Size:	1577 bp
RefSeq ORF:	1275 bp
Locus ID:	25472
UniProt ID:	<u>Q63664</u>
Cytogenetics:	4q44
Gene Summary:	an ATP-sensitive K ⁺ channel; involved in membrane excitability [RGD, Feb 2006]