

Product datasheet for RN214662

Kcnj5 (NM_017297) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnj5 (NM_017297) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnj5
Synonyms:	MGC93525
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214662 representing NM_017297 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGGTGATTCTAGGAATGCTATGAATCAAGACATGGAGATAGGAGTCACTCCCAGGACCACAAGA
AGATCCCCAACAGGCTCGGGATTACATCCCCATTGCCACAGACCGCACTCGCCTGCTGCCGAAGGCAA
GAAGCCACGCCAGCGCTACATGGAGAAGACCGCAAGTGAACGTGCACCATGGCAATGTTCAAGAAACC
TACCGCTACCTAAGTACCTCTTACCACCCCTGGTGGACCTCAAATGGCGCTTCAACCTTCTGGTCTTCA
CCATGGTCTACACCATTACTTGGCTATTCTTTGGCTTCACTGGTGGCTCATTGCTTATGTCGAGGTGA
TCTGGACCACGTGGGTGACCAAGAGTGGATCCCTTGTGTTGAAAACCTTAGTGGCTTTGTGTCTGCTTTT
CTGTTCTCCATTGAGACAGAAACAACCATTTGGGTATGGCTTCAGAGTCATTACAGAGAAGTGTCCAGAGG
GGATCATTCTCCTTCTAGTGCAGGCCATCCTGGGCTCTATTGTTAATGCCTTCATGGTGGGTTGCATGTT
TGTAAGATCAGCCAGCCAAAGAAGAGAGCAGAGACCCCTCATGTTCTCCAACAATGCTGTCATCTCCATG
CGGGATGAGAAGCTGTGCCTCATGTTCCGGTAGGGGACCTCCGAACTCCCATATCGTGGAGGCCCTCCA
TCCGCGCAAGCTTATCAAGTCCCGCAGACCAAGAAGGGGAATTCATCCCCTTGAACCCAGACCGACAT
TAACGTGGGCTTTGACTGTTGACGACCGCCTCTTCTGGTGTCCCCCTCATCATCTCCCATGAGATC
AATGAGAAGAGCCCTTTCTGGGAGATGTCTCGTCTCAACTGGAGCAGGAAGAGTTCGAGGTTGTGGTCA
TACTAGAAGGGATGGTAGAAGCCACAGGCATGACTTGCCAAGCACGGAGCTTTACATGGATACAGAGGT
GCTCTGGGGTACCGATTACACCAGTCTCACCTTGAAAAGGGCTTCTATGAGGTGGACTACAACACT
TTCCACGACACCTATGAGACCAACACCCAGCTGCTGTGCCAAGGAGCTGGCAGAAATGAAGAGGAATG
GTCAGCTCCTCCAGTCTTGCCAGTCTCCTTTGCTTGGGGCTGCGCTGAGGCTGAGAAAGAAGCAGA
GGCTGAGCACGATGAGGAGGAGGAACCAATGGACTGAGTGTGCCGGGCAACAAGGGGCTCAATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017297
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:	<u>NM_017297.2</u> , <u>NP_058993.1</u>
RefSeq Size:	3335 bp
RefSeq ORF:	1260 bp
Locus ID:	29713
UniProt ID:	<u>P48548</u>
Cytogenetics:	8q21
Gene Summary:	inwardly-rectifying potassium channel which is controlled by G proteins [RGD, Feb 2006]