

Product datasheet for **MC208805**

Kcnj5 (NM_010605) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnj5 (NM_010605) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnj5
Synonyms:	GIRK4; Kir3.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208805 representing NM_010605 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGTGATTCTAGGAATGCTATGAATCAAGACATGGAGATAGGAGTCACTTCCCAGGACCACAAGA
AGATTCCAAACAGGCTCGGGATTACATCCCCATTGCCACAGACCCGACCCGCTGCTGACAGAAGGCAA
GAAGCCACGCCAGCGCTACATGGAGAAGACTGGCAAGTCAATGTACACCACGGCAATGTTCAAGAAACC
TACCGCTACCTAAGTGACCTCTTACCACCTGGTGGACCTCAAATGGCGCTTCAACCTTCTGGTCTTCA
CCATGGTCTACACCATCACCTGGCTGTTCTTTGGCTTCATTTGGTGGCTCATTGCTTATGTCGGAGGTGA
TCTGGATCACGTGGGTGACCAAGAGTGGATCCCTTGTTGAAAACCTTAGCGGCTTGTATCTGCTTTC
CTGTTCTCCATCGAGACAGAAACAACATTGGGTATGGCTTCAGAGTCATTACAGAGAAGTGCCAGAAG
GGATCATACTCCTTCTGGTGCAGGCCATTCTGGGCTCGATTGTTAATGCCTTCATGGTGGGGTGCATGTT
TGTAAGATCAGCCAGCCAAAGAAGAGAGCAGAGACCCTAATGTTTTCCAACAATGCCGTCATCTCCATG
CGGGATGAGAAGCTGTGCCTCATGTTCCGGGTAGGGGACCTCCGAACTCCCACATCGTGGAGGCCCTCA
TCCGTGCCAAGCTTATCAAGTCCCGCAGACCAAGAAGGAGAATTCATCCCTTGAACCCAGACCGACAT
TAATGTGGGCTTTGACACTGGTACGACCGCCTCTTCTGGTCTCCCCACTCATCATCCCACGAGATC
AACGGAAGAGCCCTTTTGGGAGATGTCTCGTCTCAACTGGAACAGGAAGATTGGAAGTTGTGGTCA
TACTAGAAGGAATGGTAGAAGCAACAGGCATGACTTGCCAAGCACGGAGCTTTACATGGATACAGAGGT
GCTCTGGGGTCAACGATTACACCAAGTTCTCACCTTGAAAAGGGCTTCTATGAGGTGGACTACAACACT
TTCCATGACACCTATGAGACCAACACCCAGTTGCTGTGCCAAGGAGCTGGCGGAGATGAAGCGGAGCG
GTCGGCTCCTCCAGTACCTTCCAGTCTCCCTTGCTTGGGGGCTGTGCTGAGGCTGGGAACGAAGCTGA
GGCCGAGAAGGATGAAGAGGGTGAAGCCCAATGGACTGAGTGTGCCAGGCCACCAGGGGCTCAATG**TGA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja3374_c05.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010605
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_010605.4 , NP_034735.3
RefSeq Size:	4496 bp
RefSeq ORF:	1260 bp
Locus ID:	16521
UniProt ID:	P48545
Cytogenetics:	9 17.65 cM
Gene Summary:	This potassium channel is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. Can be blocked by external barium.[UniProtKB/Swiss-Prot Function]