

Product datasheet for **SC117023**

KCNJ9 (NM_004983) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNJ9 (NM_004983) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNJ9
Synonyms:	GIRK3; KIR3.3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004983, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCAGGAGAACGCGGCTTCTCGCCGGGCAGGAGAGCCGCCGCGCGCCGCGGCCAGCGCT
ACGTGGAGAAGGATGGCCGGTGAACGTGCAGCAGGGCAACGTGCGCGAGACATACCGCTACCTGACGGA
CCTGTTCAACCACGCTGGTGGACCTGCAGTGGCGCCTCAGCCTGTTGTTCTTCGTCTGGCCTACGCGCTC
ACCTGGCTCTTCTCGGCGCCATCTGGTGGCTGATCGCCTACGGCCGCGGCGACCTGGAGCACCTGGAGG
ACACCGCGTGGACGCGGTGCGTCAACAACCTCAACGGCTTCGTGGCCGCTTCTCTTCCATCGAGAC
CGAGACCACCATCGGCTACGGGCACCGCTCATCACCGACAGTGCCTCCGAGGGCATCGTGTGCTGCTG
CTGCAGGCCATCCTGGGCTCCATGGTGAACGCTTCATGGTGGGCTGCATGTTGTCGAAGATCTCGCAGC
CCAACAAGCGCGCAGCCACGCTCGTCTTCTCCTCGCACGCGTGGTGTGCGCTGCGCGACGGGCGCCTCTG
CCTCATGTTCCGCGTGGGCGACTTGGCGCTCCTCACACATAGTGGAGGCCTCCATCCGCGCCAAGCTCATC
CGCTCGCGCCAGACGCTGGAGGGCGAGTTCATCCCGCTGCACCAGACCGCTCAGCGTGGGCTTCGACA
CGGGAGACGACCGCTCTTCTCGTCTCGCCGCTGGTTATCAGCCACGAGATCGACGCCGCCAGCCCTT
CTGGGAGGCGTCGCGCCGTGCCCTCGAGAGGGACGACTTCGAGATCGTCTGTTATCCTCGAGGGCATGGT
GAAGCCACGGGAATGACATGCCAAGCTCGGAGCTCCTACCTGGTAGACGAGGTGCTGTGGGGCCACCGCT
TCACGTGAGTGTGACTCTGGAGGACGGCTTCTACGAAGTGGACTATGCCAGCTTTCACGAGACTTTTGA
GGTGCCACACCTTCGTGCACTGCTCGAGAGCTGGCAGAGGCTGCCGCCGCTTGTGATGCCATCTCTAC
TGGTCCATCCCCAGCCGCTGGATGAGAAGGTGGAGGAGGAGGGGCGGGGGAGGGGGCGGGTGGGAAG
CTGGGGCTGACAAGGAGCAGAATGGCTGCCTGCCACCCCCAGAGAGTGAGTCCAAGGTGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004983 unedited AAAAATCTTACGCCCGCCGTTGCCGTAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTA TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGC GGCCGCGAATTCGGCACGAGGGACGCCGCTAGGCGCCAGCGACGCGCGGCAGGTGGCA GCAGCTCGGGCCCCGCCGACTCCAGGCGCCCGCAGCGCTCGCCCTGACGCGGCCGCCA TGGCGCAGGAGAACCGGGCCTTCTCGCCGGGCAGGAGAGCCGCCGCGCGCCGCCGCC GCCAGCGCTACGTGGAGAAGGATGGCCGGTGCAACGTGCAGCAGGGCAACGTGCCGAGAG CATACCGCTACCTGACGGACCTGTTACCACGCTGGTGGACCTGCAGTGGCGCCTCAGCC TGTTGTTCTTCGTCTGCGCTACGCGCTCACCTGGCTCTTCTTCGCGCCATCTGGTGGC TGATCGCTACGGCCGCGGCGACCTGGAGCACCTGGAGGACACCGCGTGGACGCCGTGGC TCAACAACCTCAACGGCTTCGTGGCCGCTTCTCTTCTCCATCGAGACCGAGACCACCA TCGGCTACGGCACCGCGTCATCACCGACAGTGCCCCGAGGGCATCGTGTCTGCTGCTGC TGCAGGCCATCCTGNGCTCCATGGTGAACGCCTTCATGGTGGGCTGCATGTTCTGCAAGA TCTCGCAGCCAAACAGCGCGCAGCCACGCTCGTCTTCTCCTCGCAGCCGTGGTGTGCG TGCCGCGACGGGCGCCTCGCCTCATGTTNCGCGTGGGCGACTTGGCTCCTCACACATAG TGGGAGCCTCCATNCGCCGCCAGCTCATNCGCTCGCGCCAGAGCTGGAGGGCGAGTTCAT C</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004983 unedited GATTTTTACTTTTATGGACTTACGAGTTTGCTGTCTTTTTACGNATGAGAACTGAGCCC AGATATGCGATTTGCCAGNATCATAGAGCTAATTAGCAAGTGCAGGAGTAGGACCTAG GTCTCCTGACTTGTGCACTGTACAGTGGTCCCTGAGTGGTGCAGTGGCGAGGAGAGG TGTGGCAGGGTCTCAGTGACTTCAGCAGGCAGGAGGGGCTTTCCAGACTGAGTTTCTCT GCTTGTTCACTGCAATGGGTTGGCTCCTGTGTGAGTGCCTGTGTGGATACCAAGTAG CCCACCCGCTCTGTCCAGACCCCTGTTTTACTGAAACCCAAATGAATCCCCATTCTC CATCCCAACATCTGTTCTTAGGGGACCAGTCAATGCCAGGCTTCAGGAATCTCATCTTTG ATGACAGGGCCCCAGTGGCCCTGTGACCTGAGGCAAAGATATCCGTGTTTTGACTGAAAG GAAGGGACTGGGACTTGGGTCCTCTCTGAGTGAACCCCGCTGTCTGGGCTGCTTCCATG GCCCCTTTCTTGCTTCCAAAGAACCCTAGGCCCTGGGTTGCCCATATACCCTGTGTG CCCATTGACCCTTGCTCCCCTCTGGAACAGAAACTGGGATGCTTTTCCAGAGGGGCT TATTAATGCCTTGAATTGTATTTTTCCACGGTCTAAGGAGGAGCTCCTTTTAGATCAGT TGTTTTGGTGTGGGAAACGCTCTCTCCCTGGCAGGTCTTACTGGCCGTGGGTTGATCT GAGTCGTCTTTAGAACGCACGGCACTCTGAACGAGCTATGTAGCGATGTCTTCCCTCTCG ACCCCTATATATCCGCCCGGAGTACAGAGAAGGTACACGCTATCGATATTCATACTTTT TTTAC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004983
Insert Size:	4000 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_004983.2 , NP_004974.2
RefSeq Size:	3029 bp
RefSeq ORF:	1182 bp
Locus ID:	3765
UniProt ID:	Q92806
Cytogenetics:	1q23.2
Domains:	IRK
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
Gene Summary:	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. It associates with another G-protein-activated potassium channel to form a heteromultimeric pore-forming complex. [provided by RefSeq, Jul 2008]