

Product datasheet for **SC212445**

KCNJ1 (NM_000220) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: KCNJ1 (NM_000220) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: KCNJ1

Synonyms: KIR1.1; ROMK; ROMK1

ACCN: NM_000220

Insert Size: 1135 bp

Insert Sequence: >SC212445 3'UTR clone of NM_000220

The sequence shown below is from the reference sequence of NM_000220. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTCAATGAAACAGATGACACCAAAATGTAAACAGTGGCTTTTCAACGGGAGTAAAGCAAAGTCTCTAAAG
CTCCTAGTACCTAGAAGCATTATGAAGCAGTCAACAATTTAGGGGTACGAAAGTAGGATGAGAGCCTTC
AAAGTCTACCAGCACAAAGACCCCTGAGCCCCGCAATTGTGATCCCACAAGACATGCATCTCCACAAGG
CTACTGTATTAGAACGTGCAATGCATTTATATGAAACTGGTGTATGGAAGACATAGGTGCTCTCTTGAA
ATCTTAAATATGATTATTTGAGCTCATATAAGGTGGATTGGAGCAGATAAAATTATCAAAGTTTCATG
AACAGGCCAAACAAAATATTTTTAAAGTTTCCTTAAAGAAGTTATGAACTTTAGAAAGGATCAGGGGA
CAATAATAATCTCATTTTGATTCTACTGATAAGAATGACTCCACTTTTAAATGTGGACTTTTACTCATGG
AAAAATTGTCTCCTAATTTGGGGAGATGAACCAACCAATCAATGACAAGAAAACGCTTACACAAAGAAC
AATTTGAGGCTCTAAGCTTCTCATGTGGTACGTTTAGACAGAGGCTAAATCTGCACACTAGAATCTTGA
TGATACCTTCTGCAAGACAGAATGCTTTAGTTAAAAGTGGTGTATGATATTTCTTTCAATCTGTATTGG
ATGGCTTAAAGGGCTATAAATCTGTTTATAAAGAGCATTTCCTGCTCTTGAAGACAGCAATGAGGAGT
TGAAGGTGCAAAGTCAGTAGAGAAGGGAATGTATCATTAAATGCACCTGGAAGAAAACAGTTTCATGTG
TTCTCCACCTAGAGTTTGTACTGGAATGCTATTTCTAAAGAAGAAGTGGGAAAGAGAGAGGAATGGGA
TGGAGCCCCACAGTCAGAATGTTACTATGTCTTTCTTCCCTGACAGCCCATCTTCTAAAGGGACCA
GCTTATGGAAGGCTCGACCTTGAGGGGAAAAGTTTACTGTGAAAGTCTTCTTCCAGATCCCCACCTGCAT
CATTCCGAATGTGTCCTGGAAAAAACTGGTACTCAAAGCTGCTTAGGAATCAAATGTTTTCAAGTGTG
TTGATTAATATAGTAAATTTCTGAAACTGTG
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_000220.6</u>
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. It is activated by internal ATP and probably plays an important role in potassium homeostasis. The encoded protein has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Mutations in this gene have been associated with antenatal Bartter syndrome, which is characterized by salt wasting, hypokalemic alkalosis, hypercalciuria, and low blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Locus ID:	3758
MW:	44