

Product datasheet for SC117022

KCNJ8 (NM_004982) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNJ8 (NM_004982) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNJ8
Synonyms:	KIR6.1; uKATP-1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC117022 sequence for NM_004982 edited (data generated by NextGen Sequencing)

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ATGTTGGCCAGAAAGAGTATCATCCCGGAGGAGTATGTGCTGGCGCATCGCCGAGAG
AACCTGCGCAAGCCGCGCATCCGAGACCGCCTCCCAAAGCCCGTTTCATCGCCAAGAGC
GGGGCCTGCAACCTGGCGCATAAGAACATCCGTGAGCAAGGACGCTTTCTACAGGACATC
TTCACCACCTTGGTGGACCTGAAATGGCGCCACACGCTGGTCATCTTTACCATGTCCTTC
CTCTGCAGCTGGCTGCTTTCGCTATCATGTGGTGGCTGGTGGCCTTTGCCCATGGGGAC
ATCTATGCTTACATGGAGAAAAGTGAATGGAGAAAAGTGGTTTGGAGTCCACTGTGTGT
GTGACTAATGTCAGGTCTTTCACCTTCTGCTTTTCTCTTCTCCATTGAAGTTCAAGTTACC
ATTGGGTTTGGAGGGAGGATGATGACAGAGGAATGCCCTTTGGCCATCACGGTTTTGATT
CTCCAGAATATTGTGGGTTTGATCATCAATGCAGTCATGTTAGGCTGCATTTTTCATGAAA
ACAGCTCAGGCTCACAGAAGGGCAGAACTTTGATTTTTCAGCCGCATGCTGTGATTGCC
GTCCGAAATGGCAAGCTGTGCTTCATGTTCCGAGTGGGTGACCTGAGGAAAAGCATGATC
ATTAGTGCCTCTGTGCGCATCCAGGTGGTCAAGAAAACAACCTACACCTGAAGGGGAGGTG
GTTCTATTACCAACTGGACATTCCTGTTGATAACCCAATCGAGAGCAATAACATTTTT
CTGGTGGCCCTTTGATCATCTGCCACGTGATTGACAAGCGCAGTCCCCTGTATGACATC
TCAGCAACTGACCTGGCCAACCAAGACTTGGAGGTCATAGTTATTCTGGAAGGAGTGGTT
GAAACTACTGGCATCACCACACAAGCACGAACCTCCTACATTGCTGAGGAGATCCAATGG
GGCCACCCTTTGTGTCATTGTGACTGAGGAAGAAGGAGTGTATTCTGTGGATTACTCC
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AAACCTTCCATCCTTATTAGACCTCCAAAAGAGTGAAGTGTCTCATAAAATTCTCTG
AGGAAGCGCAACTCCATGAGAAGAAACAATTCCATGAGGAGGAACAATTCTATCCGAAGG
AACAAATCTTCCCTCATGGTACCAAAAGGTGCAATTTATGACTCCAGAAGGAAATCAAAC
ACATCGGAATCATGA

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Clone variation with respect to NM_004982.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004982 unedited GTTAAATTTGTATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGCGGCCCTGGT CCCXGCGCCAGCATGGGAGAGCGAGGGACCTGCCCGCGCCCGCGCGTGTGCAAGGA GGTCCAGCCGCGCGCCGCTACCCGGAGTCTGAGGACGGGTGTCCAGGGACGGAGAGGC AGGTGAGAGGGAGGTGGCTAAGCTGGCTATGGTGACAGGACGATGTTGGCCAGAAAGAGT ATCATCCCGGAGGAGTATGTGCTGGCGCGCATCGCCGAGAGAACCTGCGCAAGCCGCGC ATCCGAGACCCGCTCCCAAAGCCGCTTCATCGCCAAGAGCGGGGCTGCAACCTGGCG CATAAGAACATCCGTGAGCAAGGACGCTTCTACAGGACATCTTACCACCTTGGTGGAC CTGAAATGGCGCCACACGCTGGTCATCTTACCATGTCCTTCTGACGCTGGCTGCTC TTCGCTATCATGTGGTGGCTGGTGGCTTTGCCATGGGGACATCTATGCTTACATGGAG AAAAGTGAATGAGAAAAGTGGTTTGGAGTCCACTGTGTGTGACTAATGTCAGGTCTT TCACTTCTGCTTTCTCTCTCATTGAAGTTCAAGTTCATTGNGTTTGGANGGGAGGAT GATGACAGANGAATGCCCTTTGGCATTNACCGNNTTGGATTCTCAATATTTGGNGGGG TTTTGATCATCAATGCAATCATGTTTAGGCTGCATTTTCATGAAACCCAGCTCAGGCTTA ACAGAAGGGCAGAACTTTTTGATTTTCAGCGCCATGCTTGNTAATTTCCGTCCGAAT GGNAAAGCTGTGGTTTTCATGTTTTCCCGCGGGGGGGGGACCCGGGGGAAAACATGA TCCTTTTTGGGCCCTGTCCATCCCCCGGGGGGAGAAAA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004982 unedited GCTATGGACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGTGTGTTA CTTTTTTACTACAGAAAGTGTGTTGCTTGAATATGAATATCATTTAGTGTAATAAAA TGTAGAAGGACACATTATTGTGTCCAGCTCTGGTTCAGTCTGGCAGTGGCCAGCATAAA CCGTCAAACTTGATAAAAAGACTGTCTTGGGGTATCTTGCTGTCATGATTCCGATGTGT TTTGATTTCTTCTGGAGTCATAAATTGCACCTTTGGTACCATGAGGGAAGAATTGTTC TTCGGATAGAATTGTTCCCTCATGGAATTGTTTCTTCTCATGGAGTTGCGCTTCTCA GAGAATTTTATGAGACAGTTCCTCTTTTGGAGGTCTGAATAAGGATGGAAGTTTCT CATCCAGCTCTCGGGCACTGCACCGTGGAGCAGCTACTTAAACAGTGTGCCAAATTTGG AGTAATCCACAGAATACACTCCTTCTTCTCAGTCACAATGGACACAAAGCGGTGGCCCC ATTGGATCTCCTCACAATGTAAGAGGTTTCGTGCTTGTGTGGTGTGCCAGTAGTTTCAAC CACTCCTTCCAGATAACTATGACCTCCAAGTCTTGGTTGGCCAGGTGAGTTGCTGAGATG TCATACAGNGGACTGCGCTTGTCAATCACGTGGCAGATGATCAAAGGGGCCACCAGAAA AATGTTATTGCTCTCGATTGGGTATCAACAGGATGTCCAGTTGGTGAATANGAACACC TCCNCTCAGTGGTAGNTGNTTCTTACCACCTGGATGCGCACCAGAGCACTATGATCA TGCTTTTTCTCAGNCAACCCACTCGACATGAAGCACAGCTGCCATTTTCGACGCATCACA CATGGCGCTGAAATCAAGTTNCTGNCCTCTGTGAGCCTGACTGTTTCATGAAATGCAGCTA CTGACGCATGATGA
Restriction Sites:	NotI-NotI
ACCN:	NM_004982
Insert Size:	1660 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).
RefSeq:	NM_004982.2 , NP_004973.1
RefSeq Size:	2381 bp
RefSeq ORF:	1275 bp
Locus ID:	3764

UniProt ID: [Q15842](#), [A0A024RAV6](#)

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. Defects in this gene may be a cause of J-wave syndromes and sudden infant death syndrome (SIDS). [provided by RefSeq, May 2012]