

Product datasheet for SC122152

KCNK12 (NM_022055) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK12 (NM_022055) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNK12
Synonyms:	K2p12.1; THIK-2; THIK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC122152 sequence for NM_022055 edited (data generated by NextGen Sequencing)

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ATGTCCTCCCGCAGCCCCCGGCCCGCCCGCGTAGCCGCCGCCCTGCCGCGCCCC
TCCTGCTGCTGCTGCTGCTGCCGCGTTTCGCACCTCAACGAGGACACCGCGCGTTCGTG
CTGCTGGCGGCGCTCATCGGCCTTACCTGGTGGCGGGTGCCACAGTCTTCTCGGCGCTC
GAGAGCCCCGGCGAGGGCGAGGCGGGCGCGCTGGGGCGCCACGCTGCGCAACTTCAGC
GCTGCGCACGGCGTGGCCGAGCCAGAGCTGCGCGCCTTCCCTCCGGCACTACGAGGCCGCG
CTGGCCCGCGGCTCCGCGCCGACGCGCTGCGCCCGCGTGGGACTTCCCCGGCGCCTTC
TACTTCGTGGGACCGTGGTGTCAACCATAGGTTTCGGCATGACCACCCCGCGACGGTG
GGCGGGAAGGCCTTCTCATCGCTACGGGCTGTTCCGGTGGCGTGGGACCATCCTGTTT
TTCAACCTCTTCTGGAGCGCATCATCTCGCTGCTGGCCTTCATCATGCGCGCCTGCCGG
GAGCGCCAGTGCGCCGAGCGGCTGCTGCCCGCCACCTCCGCGCGGCTCCGCGCTC
TCGGAGGCCGACAGCCTGGCGGGTGGAAAGCCCTCGGTGTACCACGTGCTGCTATCCTG
GGCCTGTTCCGCCGTGCTGCTGTCTGCTGCGCCTCGGCCATGTACACCAGCGTGGAGGGC
TGGGACTACGTGGACTCGCTCTACTTCTGCTTCGTACCTTCAGCACCATCGGCTTCGGG
GACCTGGTGAGCAGCCAGCAGCCGCTACCGGAACCAGGGGCTTACCGCCTGGGCAAC
TTCCTCTTCATCCTGCTCGGCGTGTGCTGCATTTACTCGCTCTTCAACGTATCTCCATC
TCATCAAGCAGGTGCTCAACTGGATGCTGCGCAAGCTGAGCTGCCGCTGCTGCGCGCG
TGCTGCCCGGCTCCTGGCGCGCCCTGGCCCGGCGCAATGCCATACCCCAGGCTCCCAG
CTGCGCCCGCCTGGCGCGCTCGGCGCGACCCCGCGCGGACAGCGACGCGCGAG
GGCCGCGCCTCTCGGGGAGCTCATCTCCATGCGCGACCTCACGGCCTCCAACAAGGTG
TCGCTGGCGTGTGCGAAGCAGCTGTGCGAGACGGCAACGGCTACCCGCGCAGCGTG
TGCGTCAACACGCGCCAGAACGGCTTCTCGGGCGGCTGGGCGCGCTGGGCATCATGAAC
AACCGGCTGGCCGAGACCAGCGCCTCCAGGTAG

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Clone variation with respect to NM_022055.1
1047 t=>c



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_022055 unedited GCCTTCTTTTGTAAACGACTTCCCATAGGCGGCCGTAATCCCGGCTATCGTCGACCC ACGCGTCCGCCCGGCCCGGGCCGAGCTCCGGACATGTCTCCCGCATCCCCGGCCC CCGCCCGCCGTAGCCGCCGCCGCTGCCGCGCCCTCTGTGTGTGTGTGTGCCGC CGTTCGCACCTCAACGAGGACACCGCCGCTTCGTGTGTGTGGCGGCGCTATTCCGGCT CTACCTGGTGGCGGTGCCACAGTCTTCTCGGCGCTCGAGAGCCCGGCGAGGCGGAGGC GCGGGCGCGCTGGGGCGCCACGCTGCGCAACTCAGCGCTGCGCACGGCGTGGCCGAGCC AGAGCTGCGCGCCTTCTCCGGCACTACGAGGCCGCGCTGGCCGCGCGTCCCGCCGA CAGCGCTGCGCCCGCTGGGACTTCCCCGGCGCCTTCTACTTCGTGGGCACCGTGGTGT AACCATAGGTTTCGGCATGACCACCCCGCGACGGTGGGCGGGAAGGCCTTCTCATCGC CTACAGGCTGTTCCGGCTGCGCTGGGACCATCTGTTCTTCAACCTTCTCGGAGCGCAT CATCTCGTGTGGCCTTATCATGCGCGCTGCCGGGAGCGCCAGCTGCGCCGACGCG CCTGTGCCCGCCACCTCCGCCCGGCTCCGCGCTCTCGGAGGCCGACACCTGGCAGG CTGGAATGCCCTCGTGTACCACGTGCTGCTCATCTGNGCCTGTTCCGCCGTGTGTGT CTGCTGCGCCCTGCCATGTACACCAGCGTGGNNAGGGCTGGGACTACGTGGNACTCGCT CTACTTCTGCTTCGTACCTTACGACCATCGGCTTTCNGGGACCCTGGTGAGCAGCCAG CACGCCGCTACGGGAACCCAGGGGCTCTACCGNCTGGGGCACTTCTCTTCATCTGNTT AGGGT
Restriction Sites:	Please inquire
ACCN:	NM_022055
Insert Size:	1500 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_022055.1 , NP_071338.1
RefSeq Size:	1449 bp
RefSeq ORF:	1293 bp
Locus ID:	56660
UniProt ID:	Q9HB15
Cytogenetics:	2p16.3
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane

Gene Summary:

This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The product of this gene has not been shown to be a functional channel, however, it may require other non-pore-forming proteins for activity. [provided by RefSeq, Jul 2008]