

Product datasheet for **SC122154**

KCNK17 (NM_031460) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK17 (NM_031460) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNK17
Synonyms:	K2p17.1; TALK-2; TALK2; TASK-4; TASK4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031460, the custom clone sequence may differ by one or more nucleotides

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ATGTACCGACCGGAGCCCGGGCGGCTCCCGAGGGCAGGGTCCGGGGCTGCGCGGTGCCAGCACCGTGC
TCCTGCTGCTCGCTACCTGGCTTACCTGGCGCTGGGCACCGCGTGTTCTGGACGCTGGAGGGCCGCGC
GGCGCAGGACTCCAGCCGAGCTTCCAGCGCGACAAGTGGGAGCTGTTGCAGAACTTACGTGTCTGGAC
CGCCCGGCGCTGGACTCGCTGATCCGGGATGTCGTCCAAGCATACAAAAACGGAGCCAGCCTCCTCAGCA
ACACCACCAGCATGGGGCGCTGGGAGCTCGTGGGCTCCTTCTTTCTGTGTCCACCATCACCACCAT
TGGCTATGGCAACCTGAGCCCCAACACGATGGCTGCCCGCCTCTTCTGCATCTTCTTGGCCTTGTGGGG
ATCCCACTCAACCTCGTGGTGTCAACCGACTGGGGCATCTCATGCAGCAGGGAGTAAACCACTGGGCCA
GCAGGCTGGGGGGCACCTGGCAGGATCCTGACAAGGCGCGGTGGCTGGCGGGCTCTGGCGCCTCCTCTC
GGGCTCCTGCTTCTTCTGCTGTGCCACCGCTGCTTCTCCACATGGAGGGCTGGAGCTACACAGAG
GGCTTCTACTTCGCTTTCATCACCTCAGCACCGTGGGCTTCGGCGACTACGTGATTGGAATGAACCCCT
CCCAGAGGTACCACTGTGGTACAAGAATGGTGTCCCTGTGGATCCTCTTTGGGATGGCATGGCTGGC
CTTGATCATCAAATCATCCTCTCCAGCTGGAGACGCCAGGGAGGGTATGTTCTGTGCCACCACAGC
TCTAAGGAAGACTTCAAGTCCCAAAGCTGGAGACAGGGACCTGACCGGGAGCCAGAGTCCCACTCCCCAC
AGCAAGGATGCTATCCAGAGGGACCCATGGGAATCATACAGCATCTGGAACCTTCTGCTCAGCTGCAGG
CTGTGGCAAGGACAGCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_031460 unedited GGNCGGCCGCGNAATTCCTCCGGGNAAGAAGGAAAACGAAGCTGGAGCCTGGCCCTTCCCTC CCCCGGGTCTAGTCCACCGCTCCCGGCCCGGCTCCCGCCTCTCCCGCTATGTACCGA CCGCGAGCCCGGGCGGCTCCCGAGGGCAGGGTCCGGGGCTGCGCGGTGCCCGGCACCGTG CTCCTGCTGCTCGCTACCTGGCTTACCTGGCGCTGGGCACCGCGTGTCTGGACGCTG GAGGGCCGCGCGGCAGGACTCCAGCCGAGCTTCCAGCGGACAAGTGGGAGCTGTTG CAGAACTTCACGTGTCTGGACCGCCGGCGCTGGACTCGCTGATCCGGGATGTCGTCCAA GCATACAAAAACGAGCCAGCCTCCTCAGCAACACCACCAGCATGGGGCGCTGGGAGCTC GTGGGCTCCTTCTTTCTGTGTCCACCATCACCACATTGGCTATGGCAACCTGAGC CCCAACACGATGGCTGCCCGCCTTCTGCATCTTCTTGGCCTTGTGGGGATCCCACTC AACCTCGTGGTGTCAACCGACTGGGCATCTCATGCAGCAGGGAGTAAACCACTGGGCC AGCAGGCTGGGGGCACCTGGCAGGATCCTGACAGGCGCGGTGGCTGGCGGGCTCTGGCC CCCTCCTCTCGGGCTCCTGCTTCTCTGCTGCTGCCACCCTGCTCTTCTCCACATGGA GGGCTGGAGCTACACAGAGGGCTTCTACTTCGCCTTCATACCCTCAGCACCGTGGGCTT CGGCGACTACGTGATTGGAATGANACCCTC
Restriction Sites:	Please inquire
ACCN:	NM_031460
Insert Size:	1600 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_031460.2 , NP_113648.2
RefSeq Size:	1589 bp
RefSeq ORF:	999 bp
Locus ID:	89822
UniProt ID:	Q96T54
Cytogenetics:	6p21.2
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane

Gene Summary:

The protein encoded by this gene belongs to the family of potassium channel proteins containing two pore-forming P domains. This channel is an open rectifier which primarily passes outward current under physiological K⁺ concentrations. This gene is activated at alkaline pH. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]

Transcript Variant: This variant (1) encodes the longer isoform (1).