

Product datasheet for **SC110477**

KCNK10 (NM_021161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK10 (NM_021161) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNK10
Synonyms:	K2p10.1; PPP1R97; TREK-2; TREK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_021161, the custom clone sequence may differ by one or more nucleotides

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ATGTTTTTCTCTACACAGACTTCTTTCTTTCCTTGGTGGCCGTTCCCGCAGCAGCACCGGTGTGCCAGC
CCAAGAGCGCCACTAACGGGCAACCCCGGCTCCGGCTCCGACTCCAACCTCCGCGCTGTCCATTTCTC
CCGAGCCACAGTGGTAGCCAGGATGGAAGGCACCTCCCAAGGGGGCTTCAGACCGTCATGAAGTGAAG
ACGGTGGTTGCCATCTTTGTGGTTGTGGTGGTCTACCTTGTCACTGGCGGTCTTGTCTCCGGGCATTGG
AGCAGCCCTTTGAGAGCAGCCAGAAGAATACCATCGCCTTGAGAGAAGGCGGAATTCCTGCGGGATCATGT
CTGTGTGAGCCCCAGGAGCTGGAGACGTTGATCCAGCATGCTCTTGTGCTGACAATGCGGGAGTCAGT
CCAATAGGAAACTCTTCCAACAACAGCAGCCACTGGGACCTCGGCAGTGCCTTTTTCTTTGCTGAAACTG
TCATTACGACCATAGGGTATGGGAATATTGCTCCGAGCACTGAAGGAGGCAAAATCTTTTGTATTTTATA
TGCCATCTTTGGAATCCACTCTTTGGTTTCTTATTGGCTGGAATTGGAGACCAACTTGAACCATCTTT
GGGAAAAGCATTGCAAGAGTGGAGAAGGTCTTTGAAAAAAGCAAGTGAGTCAGACCAAGATCCGGGTCA
TCTCAACCATCTGTTCATCTTGGCCGGCTGCATTGTGTTTGTGACGATCCCTGTGTCATCTTTAAGTA
CATCGAGGGCTGGACGGCCTTGGAGTCCATTTACTTTGGTGGTCACTCTGACCACGGTGGGCTTTGGT
GATTTTGTGGCAGGGGAAACGCTGGCATCAATTATCGGGAGTGGTATAAGCCCTAGTGTGGTTTTGGA
TCCTTGTGGCCTTGCCACTTTGCAGCTGTCTCAGTATGATCGGAGATTGGCTACGGGTTCTGTCCAA
AAAGACAAAAGAAGAGGTGGGTGAAATCAAGGCCCATGCGGCAGAGTGAAGGCCAATGTACGGCTGAG
TTCCGGGAGACACGGCGAAGGCTCAGCGTGGAGATCCACGATAAGCTGCAGCGGGCGGCCACCATCCGCA
GCATGGAGCGCCGGCGGCTGGCCCTGGACCAGCGGGCCCACTCACTGGACATGCTGTCCCCGAGAAGCG
CTCTGTCTTTGCTGCCCTGGACACCGCCGCTTCAAGGCCATCCCAGGAGAGCATCAACAACCGGCC
AACCACTGCGCCTGAAGGGCCGGAGCAGCTGAACAAGCATGGGCAGGGTGCCTCCGAGGACAACATCA
TCAACAAGTTCGGGTCCACCTCCAGACTACCAAGAGGAAAAACAAGGACCTCAAAAAGACCTTGGCCGA
GGACGTTCAAGAAATCTACAAGACCTTCCGGAATTAATCCTGGACGAGGAGAAGAAAGAGGAGGAGACG
GAAAAGATGTGTAACCTCAGACAACCTCCAGCACAGCCATGCTGACGGACTGTATCCAGCAGCACGCTGAGT
TGGAGAACGGAATGATACCCACGGACACCAAGACCGGGAGCCGGAGAACAACCTACTTGAAGACAG
AAACTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021161 unedited

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NGGTTACATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCAGCCTTC
CCATGCCGGGCCACACGGCATTCAATAAAGTGGTGGGGCAACTATTGCTGCGCTCCGGCC
GGGCAGTTTTGAGCTGCAGAGACCCGTGCCCGGTAGCAGCGCTTTGCCACCGAGTGCAC
CCAGGACGCAGTGGCCGCCAGCCCGGTCTCCTGCTGGGGCCGGCGAGTGAAGGGAGAC
TTTGCCACAGATGTTTTGTTTTCTGCCGAGGAACGCTAGGCAGTCTTTCCACCGG
ACTTAACCCGCCCTGAAGCAATAGCCATGGAAGTTGCGGCGGCACAGAGGGAGACAGAACC
GCTTGGCGCGGCATCTTTCTGGATGTTTTTCTCTACACAGACTCTTTCTTTCTTGG
TGGCCGTTCCCGCAGCAGCACCGGTGTGCCAGCCAAAGAGCGCCACTAACGGGCAACCC
CGGCTCCGGCTCCGACTCCAACCTCCGCGCTGTCCATTTCTCCCGAGCCACAGTGGTAG
CCAGGATGGAAGGCACCTCCCAAGGGGCTTGCAGACCGTCATGAAGTGAAGACGGTGGT
TGCCATCTTTGTGGTTGNNNGNTGGTCTACCTTGTCACTGGCGGTCTTGTCTTCCGGCA
TTGGAGCAGCCCTTTGAGAGCAGCCAGAAGAATACCATCGCCTTGGAGAAGGCGGNATTC
CTGCCGGGATCATGTCTGTGTGAGCCCCANGAGCTGGAGAACGTGATCCAGCATGCTCT
TGATGCTGACAATGCGGGAGTCAGTCCAATAGGAAATCTTCCAACACAGCAGCCACTGGG
ACCTCGGCAGTGCCTTTTTCTTTGCTGGAAGTGCATTACGACCATAGGTATTGGGATTA
TTGCTCCA
    
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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, and is stimulated strongly by arachidonic acid and to a lesser degree by membrane stretching, intracellular acidification, and general anaesthetics. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Sep 2008]

Transcript Variant: This variant (1, also known as TREK2 splice variant a) encodes the shortest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.