

Product datasheet for **SC110937**

KCNK1 (NM_002245) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK1 (NM_002245) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNK1
Synonyms:	DPK; HOHO; K2P1; K2p1.1; KCNO1; TWIK-1; TWIK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110937 sequence for NM_002245 edited (data generated by NextGen Sequencing)

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ATGCTGCAGTCCCTGGCCGGCAGCTCGTGCGTGCGCCCTGGTGGAGCGGCACCGCTCGGCC
TGGTGCTTCGGCTTCCTGGTGTGGGCTACTTGCTCTACCTGGTCTTCGGCGCAGTGGTC
TTCTCCTCGGTGGAGCTGCCCTATGAGGACCTGCTGCGCCAGGAGCTGCGCAAGCTGAAG
CGACGCTTCTTGAGGAGCACGAGTGCCTGTCTGAGCAGCAGCTGGAGCAGTTCTTGGGC
CGGGTGTGGAGGCCAGCAACTACGGCGTGTGGTGTCTCAGCAACGCCTCGGGCAACTGG
AACTGGGACTTCACCTCCGCGCTCTTCTCGCCAGCACCGTGTCTCCACCACAGTTAT
GGCCACACCGTGCCTTGTGAGTGGAGGTAAGGCCTTCTGCATCATCTACTCCGTCATT
GGCATTCCCTTACCCTCCTGTTCTGACGGCTGTGGTCCAGCGCATCACCGTGCACGTC
ACCCGACAGCCGGTCTCTACTTCCACATCCGCTGGGGCTTCTCAAGCAGGTGGTGGCC
ATCGTCCATGCCGTGCTCCTTGGGTTTGTCACTGTGCCTGCTTCTTCTCATCCCGCC
GCTGTCTTCTCAGTCTGGAGGATGACTGGAACCTCCTGGAATCCTTTATTTTTTTTTTT
ATTTCCCTGAGCACCATTTGGCCTGGGGATTATGTGCCTGGGGAAGGCTACAATCAAAAA
TTCAGAGAGCTCTATAAGATTGGGATCACGTGTTACCTGCTACTTGGCCTTATTGCCATG
TTGGTAGTTCTGGAAACCTTCTGTGAACTCCATGAGCTGAAAAAATTCAGAAAAATGTT
TATGTGAAGAAGGACAAGGACGAGGATCAGGTGCACATCATAGAGCATGACCAACTGTCC
TTCTCCTCGATCACAGACCAGGCAGCTGGCATGAAAGAGGACCAGAAGCAAAATGAGCCT
TTTGTGGCCACCCAGTCATCTGCCTGCGTGGATGGCCCTGCAAACCATTGA

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Clone variation with respect to NM_002245.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002245 unedited GTCTTTGGGATTTTGTAAACAGATTCACTATAGGGCGGACCGGAATTCGCACGAGGCGG CGGGCCGCGCTCCGGCCGGTCTGCGGCGTTGGCCTTGGCGGCGCGGTGGAGAAGATGCT GCAGTCCCTGGCCGGCAGCTCGTGCCTGCGCCTGGTGGAGCGGCACCGCTCGGCCTGGT CTTGGCTTCTGGTGTGGGCTACTTGCTCTACCTGGTCTTGGCGCAGTGGTCTTCTC CTCGGTGGAGCTGCCCTATGAGGACCTGCTGCGCCAGGAGCTGCGCAAGCTGAAGCGACG CTTCTTGGAGGACGAGTGCCTGTCTGAGCAGCAGCTGGAGCAGTTCCTGGGCCGGT GCTGGAGGCCAGCAACTACGGCGTGTGGTGTCTAGCAACGCTCGGGCAACTGGAAGT GGACTTACCTCCGCGCTTCTTTCGCCAGCACCGTGTCTCCACCACAGTTATGGCCA CACCGTGCCTTGTGAGTGGAGGTAAGGCCTTCTGCATCATCTACTCCGTCATTGGCAT TCCCTTACCCTCTGTTCTGACGGCTGGTCCAGCGCATCACCGTGCACGTACCCG CAGGCCGCTCTACTTCCACATCCGCTGGGGCTTCTCAAGCAAGTGGTGGCCATCGT CCATGCCGTGCTCCTTGGTGTGACTGTGCTGCTTCTTCTCATCCCGCCGCTGTC TTCTCAGTCTGGAGGATGACTGGAACCTNCCTGGATCCTTTATTTAGTTTATTTCCCT GAGCACCATTGGCCTGGGGGATTATGTGCCTGGGAAAGGCTACATCAAATTCAGAGAG CTCTATAGATTGGGATCAGTGTACCTGCTACTTGGCCCTATTGCTGTGGTAGTNT GGAAACCTTCTGTGGACTCATGAGCCTGAAAAATTCAGAAAAATGTCTAGTG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002245 unedited GAACGCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCGCAGAAGGTAGAAA CATTTATTGCAGCAGAATACTATGGTTATTCACCTCAAGTTTATTATCCCTTATTTT ATTGTAGCAACTCTGGATTCTTTAGTATAAAGAGAAAATCAAAGAAACAAAATATCTATA GTCTTAGTTTCAGAACTACACTAGGATCTGGTACCTAAACCATATGTACAGAATATAAA CATATTTATACTTTATATGTACATAGTTAATGGTTACCTATGCATTATAAATAGTAAGTT TAACCTAAATTCTACAAAATAATCATTTTGGGTGGGTACATGCAAACAGTACACATAA ACCTATTTATAAAACACATCTCTATGCTTTTTTTTTTTGCTTCTAAATATAAATTTGCT ATTTAGCCATCAGCTAAATGATCTAAATGCAAACCCCAAGTTTCCAGTAAAAGTATAA AATCTGCTTCTAACACAGCAGCATACTGCTTCAAGTATTCTCCTCTATGTAAGTTCGA GATAATTTGTACATATGAATTTAGGTGGACATCTCATTTCCTCACATATTAGACATC CTGCTGGGGTACAGCTTCTTTTCCATTTGGCTTTTTTGTGTTTTTAAATAAGACA TTGCAAAACAGTAGCTATTTCTTAAAGTGACATAATTTTCGCTTTTGCAATCTGATAAAA TGAACATACTTAAGCCTTCTTTCCTTGCACCCTGACCCTGNTGCTCTAGCATAATGCAACAA ATCCTACGCTCAATGGGTTGCAAGGCCATCCAGCAGGCAGATGACTGGGTGGCCACAAAA AGCTCATTTTGTCTNCTGGGCTCTTTCATGCCAACTGGCTGGTCTGTGATCGAGGAAAAG GACAGTTGCCATGCTCTAATGAGGGCACTGAN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002245
Insert Size:	1870 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_002245.2 , NP_002236.1
RefSeq Size:	1901 bp
RefSeq ORF:	1011 bp
Locus ID:	3775
UniProt ID:	O00180
Cytogenetics:	1q42.2
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]