

Product datasheet for SC122210

KCNK7 (NM_033347) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK7 (NM_033347) Human Untagged Clone
Tag:	Tag Free
Symbol:	KCNK7
Synonyms:	K2p7.1; TWIK3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC122210 sequence for NM_033347 edited (data generated by NextGen Sequencing)

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ATGGGGGGTCTAAGGCCCTGGTCCCGATACGGGCTCCTGGTTGTGGCCCACTTGCTGGCC
CTGGGGCTTGGGGCTGTGGTGTTCAGGCCCTGGAGGGGCTCCTGCATGCAGGCTTCAG
GCTGAGCTCAGGGCAGAGCTGGCAGCCTTCCAGGCAGAGCATAGGGCCTGCCTGCCACCC
GGAGCTCTGGAAGAGCTGCTGGCACTGCCCTGGCCACCCAGGCCATGGGGTCTCCACC
CTGGGCAACAGCTCAGAGGGCAGGACCTGGGACCTTCCCTCAGCCCTGCTCTTCGCTGCC
AGCATCTCACCACCACAGTTATGGCCACATGGCCCACTATCGCCAGGCGGAAAGGCC
TTCTGCATGGTCTATGCAGCCCTGGGGCTGCCAGCCTCCTTAGCTCTCGTGGCCACCCTG
CGCCATTGCCTGCTGCCTGTGCTCAGCCGCCACGTGCCTGGGTAGCGGTCCACTGGCAG
CTGTACCAGGCCAGGGCTGCGCTGCTGCAGGCAGTTGCACTGGGACTGCTGGTGGCCAGC
AGCTTTGTGCTGCTGCCAGCGCTGGTGTGCTGGGGCCTTCAGGGCGACTGCAGCCTGCTG
GGGGCCGTCTACTTCTGCTTCAGCTCGCTCAGCACCATTGGCCTGGAGGACTTGCTGCC
GGCCGCGGCCGAGCCTGCACCCCGTATTTACCACCTGGGCCAGCTCGCACTTCTTGGT
TACTTGCTTCTAGGACTCTTGGCCATGCTGCTGGCAGTGGAGACCTTCTCTGAGCTGCCG
CAGGTCCGTGCCATGGGGAAGTTCTTACAGCCAGTGGTCTGTGACTGCTGAGGACCAA
GGTGGCATCCTAGGGCAGGATGAAGTGGCTCTGAGCACCTGCCGCCCGGGCCAGCT
TCAGGACAAGCCCTGCTTGCTGA

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Clone variation with respect to NM_033347.1



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033347 unedited
 GCGTCACGATTTTGTAAATACGACTTACTATAGNNGCGGCCGCGCAATTCGGCACCAGGC
 CCTCTGTTCTCTCACACCCCAAGCTCATTCTACCTTACTGGCTCTTACTCCCCAGC
 TGAATATCACCTCCTTAGCAGAGCTTTCCAGTGAGATAACCCCCCGCTCCCCGAGA
 GCTCTCCCATCACCCAGGGTGTTCCTTCATGGAACATGACAATGTGAGGTTGCCATG
 TTCTTTGCTAAGAGGTTTCTTGTGTAACACCAGGAAGGAAAGGACCTGTGCCTGTCTC
 TTCCCTAAGCACTTGAATGAATGAATGAATGAATGAATGTGGTATGGGTGCCTGAGTGAG
 CAGGACCTTGAATAAGTGTGAGGTCCTCTAGGCTTCAGCTTCCCTCCGCTCCTCCCT
 CACCGCAGCCGCTTCTCCACCCATCCCCACCATCCCAGCTGCTGTGAAATGGGCAAAT
 GTCTTGCCTCCAGGACCTGGGAAGGGTGTGACGCTCACCTCCCTCTGTTCACACCCCA
 GCCACCCAGCCATCCCAGCCGGTCCCAGCCACCCACACAGCACCTCCTCTGGCCCCG
 CCCTGCCAGCCCTCCCAGGTGCCTGAGGTGGAGCCGCCAGTTCCACAGCACCCAGC
 GGCCTGCCATGGGGGTCTAAGGGCCTGGTCCGATACGGGCTCCTGGTGTGGCCACT
 TGCTGGCCCTGGGGCTTTGGGCTGTGTTGTTCCAGCCCTGGAGGGGCTCCTGCATGCAG
 GCTTTCAGCTGGGCTCAGGGCAAACCTGGGACCCCTTCAGGCAGAGCAAAGGCCCGCT
 GCCCCCCGAACCTTGAAAACCTTCTGGGACTGGCCCTGCCACCCAGCCAGGGGGTC
 TCCCCCTGGCAAACCTTAAGGGAGGCCCCGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033347 unedited
 GTGCGAGCTGGCCAGGTGGTAAATCACGGGTGCAGGCTGCGGCCGCGGCCGGGCAGCA
 AGTCTCCAGGCCAATGGTGTGAGCGAGCTGAAGCAGAAGTAGACGGCCCCAGCAGGC
 TGCAGTCGCCCTGAAGGCCCCACAGCACCGCTGGCAGCAGCAAAGCTGCTGGCCA
 CCAGCAGTCCCAGTGCAACTGCCTGCAGCAGCGCAGCCCTGGCCGGTGACAGCTGCCAGT
 GGACCGCTACCCAGGCAGTGGGCGGCTGAGCACAGGCAGGCAATGGCGCAGGGTGG
 CCACGAGAGCTAAGGAGGCTGGCAGCCCCAGGGCTGCATAGACCATGCAGAAGGCCTTTC
 CGCCTGGCGATAGTGGGGCCATGTGGCCATAACCTGTGGTGGTGGAGGATGCTGGCAGCGA
 AGAGCAGGGCTGAGGGAAGGTCCAGGTCTGCCCTCTGAGCTGTTGCCAGGGTGGAGA
 CCCCATGGGCCCTGGTGGCCAGGGCAGTGGCCAGCAGCTTCCAGAGCTCCGGGTGGCA
 GCAGGCCCTATGCTCTGCCCTGAAGGCTGCCAGCTCTGCCCTGAGCTCAGCCTGAAGCCT
 GCATGNCCCGAGCNCCCTCCAGGGGCTGGAACACCACAGNCCCCAAGCCCCAGGGCCCA
 GCAAGTGGGCCACAAACCAAGAAGCCCCGTATCGGGACCAGGGCCCTTAGACCCCCCAT
 GCANGGCCCTTGGGTGCCGTGGGAACCTGCGGGCTTACCTTCAGCCACCTGGGAAG
 GGCTGGCCAGGCCGGGCCCANNAAGAAGTGCCTTTGTGGGTGCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_033347

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_033347.1 , NP_203133.1
RefSeq Size:	1312 bp
RefSeq ORF:	924 bp
Locus ID:	10089
UniProt ID:	Q9Y2U2
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
Gene Summary:	<p>This gene encodes a member 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (A) is the shortest transcript but encodes the longest isoform (A).</p>