

Product datasheet for **SC209209**

KCNN1 (NM_002248) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KCNN1 (NM_002248) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNN1
Synonyms:	hSK1; KCa2.1; SK1; SKCA1
ACCN:	NM_002248
Insert Size:	1709 bp



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Insert Sequence: >SC209209 3'UTR clone of NM_002248
 The sequence shown below is from the reference sequence of NM_002248. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACGCCCGTGGCCCTCGGACTGCGGGTACGGCCCTGCCCGCCACCAGACCCTAAATCTTGCCATC
GTGTGGCCGCCACCTCCGGGAAGCCTTGTACAGTGGCGCCTCTTGAGTTCAAGAAGCCAACGCTGAGT
CAGGCTGAGTGGACTGAGGCCTGCCCGCCAGACTGCCAGGCAGAGGGCAGGGCTGGACCATGGGTG
AGGGCAGGGGAGCCGGAGCTTCTCTGGTCACCTGGTCCCCGACTCTCCCAGCCCCCGGTGGGCA
TGGAGCAGCCCGGGAGGGTCCGTGCTGGTCTGAATAAAGCAGGACCCGCCTAGTGGCTGCCTGTGT
GCATGGCTGGAAGGCACTGGTGTGTCCAGGAGGTAGACCTCCAGCCCTGGGTACCAAGATGAATGTG
GGAATCAGAAAACTGTTCCCATCACCGCCTAGCCTAGAATCCTAGCCTAGAAGCCCTCTCTCCCTC
TGGGCTGGAGCTCAGTGAGGGACAACCTCTTAGGGACACCTGTACCAGCCCCACCTGGCGCTGAGATCC
CTCAGACAGCATGGCCAGCCCTGGCCAGAAGCATCGCTCCCCTCAACCAACCCGCTTGTATGGACACC
CACTGTGTGCCAGGCCAGCGGGCCATGGGGAGGTGACCTGGGTGAGGAAGGTCATTTGGGTTTT
TGTGAGATTTGTATTGAGCACCTGCTGTCTACAGAGAATGTGATGATGCAATTACCACACTGATTCCT
CATCAGAACTTGACCATGGTGGGATGGGGGGAAACTGAGGCCAGAGAGGTGAATCTACCTACCTGGG
ACCACACTGCGAGGAAGGATGGTGCATTCAAACTGAAATCCCCTAGGCCAAAGTAAAGAACCGGACTG
GCTGGGCACAGTGGTCCACCTGTAATCCCAGCACTTTGGGAGGGTAAAGCGGGCGGATCACCTGAGG
TCAGGAGTTCAGACCAGCCTGGGCAACATGGTAAACCCTGTCTCTACTAAAAATATAAAAAATTAGCT
GGGTGTGGTGGTGACGCCTGTAATCCCAGCTACTTGGGAGGCTGAGGCAGGATAATCGTTGAACCCA
GGAGGTGGAGGTTGCAGTGAGAAAAAACCTGGACTTGGTGGAGGGACTCCATGGAGGAGCCATGGGGA
CGTCAGGAGGAGGGTTATTTGGTGACATCCAGGGTTCAGAGAGACCCTCAGGGGTGGGCTACAGGGG
AGGGTTCCAGACACAAGTAGAATCAGAAAGTCCCTGGAGGCCATGGGCTTGGGTGCTGGGAGCAACAG
GCATTTACTTGGCAGATGCTGAGCCCTGGGTGGGCGAGGAGGCTGGCTCCTGGGAGACGACGCTGT
GCATAGCCGAGGAGCCCCAGTCTGGCAGCCTCTGATAAGGCCATCCATCGCTGGCTCAACGAGATA
ACTAGGCCGTGGTGGTGCATGAATGACCAGCTTGGGCCACGCACGAGAAGGGTATGAGGAGGTGCTG
GTCAGACCCGGGTTGAGTCTGACTCTGCCACTGCTGGGTGACTCTGAGCAGTGGCTGCCCTCTGGG
GCCTTGGTTGTTTCATCTGTAATAATGGGGTGACAGTCTATTTAACAGAACTCCCTAAAAAGGGCCAGG
CAACTGGTAGGTGCTCAATAAATGCTCCTCCCGCTGAGGGATCACACTGGA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002248.5](#)

Summary:

Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. The protein encoded by this gene is activated before membrane hyperpolarization and is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. This gene is a member of the KCNN family of potassium channel genes. [provided by RefSeq, Jul 2008]

Locus ID:

3780

MW:

61.8