

Product datasheet for **SC207364**

KCNN3 (NM_170782) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KCNN3 (NM_170782) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNN3
Synonyms:	hSK3; KCa2.3; SK3; SKCA3; ZLS3
ACCN:	NM_170782
Insert Size:	2000 bp



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Insert Sequence:

>SC207364 3'UTR clone of NM_170782

The sequence shown below is from the reference sequence of NM_170782. 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
ACCCCGTACACAAGTTCAAGCAGTTGCTAAATAAATCTCCCCACTCCAGAAGCATTACCCATAGGTCTT
AAGATGCAAATCAACTCTCTCTGGTTCGCTTTGCCATCAAGAAACATTACAGACCAGGGAACGGAAAGAA
GAGAGACCAGCTAATTAATAACTCATGTTTCATTAGCGGTGCTTGGTCCGACATGCCTTAAACCAGA
AATCTAATCTCTGTTTAGGTGCCTCTACTTGGGAGCGGGAAGAGGAGATGACAGGAAGCGACGCCTCTG
GCAGGGCCCTTGTGCAGAGTTGGTGGAGAACAGAAATCCACGCTCAATCTCAGGTCTTACGCGGGGG
GTGGGGTGCAGATGCACTGAAGTAGCCAACAGCGAAGCCAGTCCAGAAGAGGGTCCGCTGGGAGGGAG
GGTTGTGTGAGGCTTGGGGATGGGCTCTCGCCATGGGGTCTTGAACACACCTCTCTCTTTCTCTT
TTGTCTACGGAAGCCTCTGGGTGACAAAAGTAAAAGAGAGCTGCCACAACCTTGCAAAACAGATATAC
TCGAATCAGACTGAAAAAAAAAAAAAAAAAGACACAGACAAATAAAAAGCCAGATTTCCACTCGATATTA
ATACCCACATAAACCTGTGTGTTTGCAAACGTGTACATGTACACACATACACATCCACGTTTCGCTTCA
GGTCTTTCTTATTTGAGCTTAATCAAATAAAAAGGGACTTGACACCTTACCCTGCATACAATAGGCA
CCCCTTACATGTGTTTGTAGTTGGTCTGAATCTGAACATGGGGTCTTTTCAAGTTCAGGTAGTTAGCTAG
TTCTGGCCACATTCTGAGTTTCACTGAAGATGTGGATCCCTTCCAGACATAATGCACATTGCTTTGCTCCT
GGATATGCACCTTGTGTTGAAATGGATGCCAAGCCAAAATGTTGGCATTTCAGGAGGGATAAGCA
GGCTTTCAAAAATAACAGCATCTGCAGAGTTTCTTCTCCATCCAAACAAGTTGTGTTTCGATGGTCC
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GCACAAAACAGGCAATCCAATAACACCTTAGTGAATAGAAATATGGTTGGGGATTTGCTGAGCTGTAT
TTATCCAGCAACAGGTTTCCAGCCCCAGATGTTAGTAGTCAAAAAGGCCAAGTGCCTCAATTGTGAGC
CTCTGAGCTAGGAGGAGAAGTGTGAAGAGTGGCCTATGTGGTCCCTTCTACCTGACCTTAAATCATCT
CAAAATGAAATATTGTGAGAATGAAGGGAACCCTTAGGGAACCTTGTGGGTAAAGTAAAGTGGACATGGA
TTTGTGAGTGCCTGTTCTACTGTGCCATGTTAATCTTGGTGGGAAAACTATTCCAATACATCTCAA
ACTCCAAGAGACTTCAGAAACATCAAGATTTAGTGAATGAGCGGCGCAGAAAAATGTTTTTATTGCTC
CATAATCTGACCACACGTAACATTTGTGACGTGAAAACCATGACTTTCTATTCTGAGGTCTTTGGTTT
CTGCCTGTGGAAATGAATGGCACTGTATGGACTATTTTCTCTGTTGATGGTAAAACAAAAGGGTAT
TTTTTTGCTTGTGGTTGCATCTTGGGTTTACCTTTGTAAGAAGACATCATCACCATTCTGAAGGCAGT
GGCTTGGCATGGAGATTTTATTCTGTAGCACTGGGCCTGTTCTTCTAAGGACAGCACAAGTAGACAA
TTGTAGAGCCAAGGCCACTTTTTAGGAAGATCTAGTCTCTTGTCTAACCTCTTCTTTCTCTTGTCTA
TTGCTGCTGCTCTTTGATGGTTATAGTCTTAATGGCCTGCCTTGATAATTCCTTTGAACACTTTCAT
TAGTTGTTTTGCATACCAGAGATGCCGCACCTGCTGTTGGCTTATTTTTTACTTGTCTATTAAGT
ACGCGTAAAGCGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_170782.3

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. This gene belongs to the KCNN family of potassium channels. It encodes an integral membrane protein that forms a voltage-independent calcium-activated channel, which is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]

Locus ID:

3782

MW:

74.8