OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC207368

KCNN3 (NM_002249) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KCNN3 (NM_002249) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNN3
Synonyms:	hSK3; KCa2.3; SK3; SKCA3; ZLS3
ACCN:	NM_002249
Insert Size:	2000 bp

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Insert Sequence:

>SC207368 3'UTR clone of NM_002249
The sequence shown below is from the reference sequence of NM_002249. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACCCCGTACACAAGTTCAAGCAGTTGCTAAATAAATCTCCCCACTCCAGAAGCATTACCCATAGGTCTT
AAGATGCAAATCAACTCTCTCCTGGTCGCTTTGCCATCAAGAAACATTCAGACCAGGGAACGGAAAGAA
GAGAGACCGAGCTAATTAACTAACTCATGTTCATTCAGCGTGCTTGGTCCGACATGCCTTGAAACCAGA
AATCTAATCTCTGTTTAGGTGCCTCTACTTGGGAGCGGGAAGAGGAGATGACAGGAAGCGACGCCTCTG
GCAGGGCCCTTGCTGCAGAGTTGGTGGAGAACAGAAATCCACGCTCAATCTCAGGTCTTCACGCGGGGG
GTGGGGGTCAGATGCACTGAAGTAGCCAACAGCGAAGCCAGTCCAGAAGAGGGGTCCGCTGGGAGGGAG
GGTTGTGTCAGGCTTGGGGGATGGGCTCTTCGCCATGGGGGTCTTTGAACACACCTCTCTCCTTTCCTT
TTGTCTACGGAAGCCTCTGGGTGACAAAAGTAAAAGAGAGCTGCCCACAACTTGCCAAAACAGATATAC
TCGAATCAGACTGAAAAAAAAAAAAAAAAGACACAGACAAATAAAAAGCCAGATTTTCCACTCGATATTA
ATACCCACATAAACCTGTGTGTTTGCAAACGTGTACATGTACACACATACACATCCCACGTTCGCTTCA
GGTCCTTTCTTATTTGAGCTTAATCCAAATAAAAAGGGACTTGACACCTTACCCTGCATACAATAGGCA
CCCCTTACATGTGTTTTGAGTTGGTCTGAATCTGAACATGGGGTGCTTTCAGTTCAGGTAGTTAGCTAG
TTCTGGCCACATTCTGAGTTTCACTGAAGATGTGGATCCCTTCAGACATAATGCACATTGCTTTGTCCT
GGATATGCACCTTGCTTGATTTGAAATGGATGCCAAGCCAAAATTGTTGGCATTCAGGAGGGATAAGCA
GGCTTCTAAAAATAACAGCATCTGCAGAGTTTTCTTCTTCCATCCAAACAAGTTGTGTTTCGATGGTCC
ACATGACCAGGTGTATGTCTGTAAGTGTGGAGGGAGAGGACAAGAAATTGTGCATGTGTGTGCAGACAT
GCACAAACAGGAGCAATCCAATAACACCTTAGTGAATAGAAATATGGTTGGGGATTTGCTGAGCTGTAT
TTATCCAGCAACAGGTTTCCAGCCCCAGATGTTAGTAGTGCAAAAGGGCCAAGTGCCTCAATTGTGAGC
CTCTGAGCTAGGAGGAGAAGTGATGAAGAGTGGCCTATGTGGTCCCTTCTACCTGACCTTAAGTCATCT
CAAAATGAAATATTGTGAGAATGAAGGGAACCCTTAGGGAACCTTGTGGGTAAGGTAAGTGGACATGGA
TTTGTCAGTAGCCTGTTCCTACTGTGCCATGTTAATCTTGGTGCGAAAAACTATTCCAATACATCTCAA
ACTCCAAGAGACTTCAGAAACATCAAGATTTAGTGTAATGAGCGGCGCAGAAAAATGTTTTCATTGCTC
CATAATCTGACCACACGTAACATTTGTGACGTGAAAACCATGACTTTCTCATTCTGAGGTCTTTGGTTT
CTGCCTGTGGGAAATTGAATGGCACTGTATGGACTATTTCATCTGTTGATGGTAAAACAAAAGGGTGAT
TTTTTTGCTTGTGGTTGTCATCTTGGGTTTACCTTTGTAAGAAGACATCATCACCATTCTGAAGGCAGT
GGCTTGGCATGGAGATTTTTATTCTGTAGCACTGGGCCTGTTCTTCTAAGGACAGCACAAGGTAGACAA
TTGTAGAGCCAAGGCCACTTTTTCAGGAAGATCTAGTCTCTTGCTAACCCTCTTCTTTCTCTCTTGCTA
TTGCTGCTGCTCTTTTGATGGTTTATAGTCTTAATGGCCTGCCTTGATAATTCCTTTGAACACTTTCAT
TAGTTGTTTTGCATACCAGAGATGCCGCACCTGCTGTTGGCTTATTTTTTTACTTGTTCTATTAACTG
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_002249.6

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