

## Product datasheet for **SC204183**

### KCNN2 (NM\_021614) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** KCNN2 (NM\_021614) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** KCNN2  
**Synonyms:** hSK2; KCa2.2; SK2; SKCA2; SKCa 2  
**ACCN:** NM\_021614  
**Insert Size:** 344 bp  
**Insert Sequence:** >SC204183 3'UTR clone of NM\_021614  
The sequence shown below is from the reference sequence of NM\_021614. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCACCACCAACTTCATCAGAGAGTAGCTAGAAGAGAATAAGTTAACCACAAAATAAGACTTTTTGCCAT
CATATGGTCAATATTTTAGCTTTTATTGTAAGCCCCTATGGTTCTAATCAGCGTTATCCGGTTCTGA
TGTCAGAATCCTGGAACTGAACACTAAGTTTTAGGCCAAAATGAGTGAAAACCTTTTTTTTTCTTT
CAGATGCACAGGAATGCACCTATTATTGCTATATAGATTGTTCCCTCTGTAATTCACAACTTTTAA
TTCATGCACCTTCAAACTTTACTACTACATTATGATATATAATAAAAAAAGTTAATTTCTGCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**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\\_021614.4](#)



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**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. This gene is a member of the KCNN family of potassium channel genes. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]

**Locus ID:**

3781

**MW:**

13.5