

## Product datasheet for **SC216906**

### **Kv beta 2 (KCNAB2) (NM\_172130) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	Kv beta 2 (KCNAB2) (NM_172130) Human 3' UTR Clone
Symbol:	Kv beta 2
Synonyms:	AKR6A5; HKvbeta2; HKvbeta2.1; HKvbeta2.2; KCNA2B; KV-BETA-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_172130
Insert Size:	2000 bp



[View online »](#)

**Insert Sequence:** >SC216906 3'UTR clone of NM\_172130  
 The sequence shown below is from the reference sequence of NM\_172130. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCTACAGCAAAAAGGACTACAGATCCTAAGCCGCCCGCCCGCCTGCTCGGACAGTTTCCGTTCCCT
CCTAGTCTCTGTTGCTCGCTTAAAGCTGTTTTGAAGCCAAGTGAAGAGTGTGGTTGCATCCAAGAGAA
AACACCACACTGTGATGTCATCGGAAATGATCTCCCAAGTCGCTGCCAGACACCACCCACTGCTTCGC
CGGACAATGTGCAAGTCCAGTCTGTGCCGGGAAGGCACTGGTTAGGAAGGATGTTCAAACGGTCCCAC
CCAAGCCTGTACCTCTGCTCATCTCCAAGACCACCCAGCTTTCTCCAGCCACAGCCAAGATTCCCA
AAGTCAAGGCCAAAGATTTCCAAGTTCCCAAGTCAAGGCCAGGCCAAGGCCTGGTTGGGTCTTGG
GGCGGGCAGGGCCAGCCTCTCCTCTGCTGAGAATCCCACTTGGTGTAGGGGAGAGGGGAAAGGGTCT
TGGCCCATCGAGGGGCCCTTCTGCCAGGGCCTGGTTGCTGGGGCAGGGCCTCCCACTGGGGTCTT
CCTCCACCTCCCACTTTCCAAGGCTCCAGGAATCTGGGCCTGACCACAGATTCTCTCCCATCCTTT
TCTGCTCCAACCTGCCCACTGGGTCCCGCAGGGCCATGCCTACCAAGCTCGAGCTGGCCCTTGACC
CCCACCCACCCACCCCTTGCTGGCAGGGGAGGGACCCAGGGGGATTGACTCTGCAGTTTGGGAGCC
ACAAAAGCGTAGCGGTGTGATTTCTAGCTCAGCCTCCCACCGTCTTCTCCTACACACCAATGATGAG
CCTCATGCCAGTGAAGCCCGAGCGCTTGGGAGGGTCCCAGTGGGGCAGGCCCTCTGTCTGGCCACC
CCTCTGTCTGGCCCCGAAGGCCCTGTGGTCAATGTGCTCCTAGCTGCACGGTGGCTGTGGCCACACC
ACGGCAAGTGGCAGCAGGGGCCGCCCTGTGCACAAGGATGACTCCTCTCGGCCCTGTAGACTTTCT
CTAAAGCCGCCAGCCAGCCAGCCGCTGCTCTGCACCGAGCTGGTGGGTTGGGTTTTGTGGAGCGCA
TGCTTGGACCCTTTCAGTAAGGAAGGGTCTTTGGGGTTTTCTGTGCCATGACTTGGGGGCTGCACCCC
CACAGCACCCCAACAATGTAGGAAAAGACCTCAGGGAACCTCTCCTGGAAGACGGGCAGGGCTGGTT
AGCCCTCCCACTGCCTGACACCTGGGACAGGCTGGGCAGAGGGGAGAGAGGGCAGGACAGGCCAGAGT
GACGCCCCCGTGCAGCTTGGGCCGAGGGCAAGGGATGCCAGTAAGTCTGCAGGTGCGGGGTGCCACCT
ACAGGCCCAGGCCTGTGTCCAAGCAGTACCCAGGCTTTGCAGACCACGGGGCAGGGCTCCACTGAA
GCCACCCACCCCTCGCCAGCTAGCTCCATAGGGAAGCCTGTGTCTCCTGCCCCAGGGCGCACCCCTC
AGTGCAGGCACCTCTGTTCCCGCTTGGCCCTGGAGGAGCCACTATTCCAGAAGGCTCCACCTGCCGT
CCTGCGGGAGCCTGCTGTCCAGTCTGGCCGGGCAAGGCCTGGGAAACTGTGAAAGTCAAGAAAGGCCA
GGGGGAGAGGCTGGGGGAGGGGAGGAGGGGATCAGCTTCTGCTATTACCGACCCCTTCATGCTG
CCCTGGCGCCTAGAACCCTTGCCCTCCTCATAGACCAAGTCCCGGGGTCTCCACTCAGTCTGCTG
CCTGCTTACCAGAAGCAGCCCTGTGAGTGTGGGGTGGGGAAGTCCCTTCCCAACGGAGGTCCCAGCCT
ATGGCCCTGGGCCAGGTGGGGTGCCTGCTTCTTCCCGACAGGGTCTGCAAGTGGCCAATGGTGC
CAGAGGGCAGGTGGCCACCCCTCGCCATCAGGGAGGGTGGCTGGCCCATCCCACTGCCACCCAGCC
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_172130.3](#)

**Summary:**

Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. This member alters functional properties of the KCNA4 gene product. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Dec 2010]

**Locus ID:**

8514

**MW:**

70.3