

Product datasheet for **SC216907**

Kv beta 2 (KCNAB2) (NM_003636) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Kv beta 2 (KCNAB2) (NM_003636) 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_003636
Insert Size:	2000 bp



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Insert Sequence: >SC216907 3'UTR clone of NM_003636
 The sequence shown below is from the reference sequence of NM_003636. 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
CCCTACAGCAAAAAGGACTACAGATCCTAAGCCGCCCGCCCGCCTGCTCGGACAGTTTCCGTTCCCT
CCTAGTCTCTGTTGCTCGCTTAAAGCTGTTTTGAAGCCAAGTGAAGAGTGTGTTTGCATCCAAGAGAA
AACACCACACTGTGATGTCATCGGAAATGATCTCCCAAGTCGCTGCCAGACACCACCCACTGCTTCGC
CGGACAATGTGCAAGTCCAGTCTGTGCCGGGAAGGCACTGGTTAGGAAGGATGTTCAAACGGTCCCAC
CCAAGCCTGTACCTCTGCTCATCTCCAAGACCACCCAGCTTTCTCCAGCCACAGCCAAGATTCCCA
AAGTCAAGGCCAAAGATTTCCAAGTTCCAAAGTCAAGGCCAGGCCAAGGCCTGGTTGGGTCCTTGG
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TGGCCCATCGAGGGGCCCTTCTGCCAGGGCCTTGGTTGCTGGGGCAGGGCCTCCCACTGGGGTCTT
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TCTGCTCCAACCTGCCCACTGGGTCCCGCAGGGCCATGCCTACCAAGCTCGAGCTGGCCCTTGACC
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GCGGGGAGAGGCTGGGGGAGGGGAGGAGGGGATCAGCTTCTGCTATTACCGACCCCTTCATGCTG
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CCTGCTTACCAGAAGCAGCCCTGTGAGTGTGGGGTGGGGAAGTCCCTTCCCAACGGAGGTCCCAGCCT
ATGGCCCTGGGCCAGGTGGGGTGCCTGCTTCTTCCCGACAGGGTCTGCAAGTGGCCAATGGTGC
CAGAGGGCAGGTGGCCACCCCTCGCCATCAGGGAGGGTGGCTGGCCCCATCCCACTGCCACCCAGCC
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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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_003636.4](#)

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