

Product datasheet for **SC211819**

Kv2.1 (KCNB1) (NM_004975) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Kv2.1 (KCNB1) (NM_004975) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNB1
Synonyms:	DEE26; DRK1; Kv2.1
ACCN:	NM_004975
Insert Size:	2000 bp



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Insert Sequence:

>SC211819 3'UTR clone of NM_004975

The sequence shown below is from the reference sequence of NM_004975. 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
CATGGAAGCACACGAGATCAGAGCATCTGAAGTGCCTTGGAGGAGAGACTTTGGGTGAGGTCC
AAAGAGGAGAGCTGTTACGCTTACTGCGCACAGAGCTTTTCTGCATGAACTCTGGAACAGAAAGGCCCT
GTAAGGCCCTCAGAGAGAAGAGAGACTCCAGAGAAGGCTCCCTAAGACCTTGAGAGCCATGACAGGTCC
ATCAGCATGAAGTTGGCCAAGCCATAGGGCACAGCACCTCCTTGAACAACCTCTATAGCCCTCTTTGGG
AGATGACATGAGTGGAACTCACAGCCACCACTACCACCCTTTAGACAGGACCGAGGCCACATACTCCC
CATTCTCTCGTGGCTTTCCATCTCAGCCTCGGAGGGCAACATTGACAGTCTCTGGCTTACGTAGAG
AAGGATGCTGGAACAAGCGGCTGGTGTGAAAGAGTGGGTTGACCAATTTGGTATTGAATGTTGCCAG
CCACCCCTAGGAACACCTGTCCATCACCTCCTGGATGGATTCCACTGTTAGACAGCTACAGGGAATGAT
TGGTCATGGGGAAGTCTCTGCGCCATAAGCCACGATCCCAGCGCAAAACCTTACTCAAATGTCTTCAT
TGACTTCGGTATTTTCATAGTACCTGAGATTTTATTTTGGATAACCATCAGGGTGAGTTGCCACTTGT
ACTCAATTCTAATTGCCCTTGGCAATCTGGGAAGGGTTCAGAAGGTGGGCACCCAGCCAACAGCATGA
ACTCAGAGCATTGTTTTAGGGTTGGAGGAGGAACCGCTTTCTTTACATCACTAGTGTAGACTCAAAAG
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TTTTCAAGTTAAAAAAGTTAAAAAAGCACTTTATGTTTTTCAAAAATAGTTCTGCCAG
GGACAGTGTCAACATCTTGCACTTTAAAAAAGCACTATTTCCCATAGCCCAATTGTTGGACTGTAGT
TGGATTGTTGCTACCTGCCATTTCTGGCCAGCATGGGTAAATATTGTGCTGGTATTACTGTCTGCCATA
TCAAAGTCTGTGGGCTCCTTCCCTGCCCTCTGAAACCTTCCCTTAACCCTCATGGGTGAGGAGGGTT
CTTGCCCTTGGGTGGGCTCCTCATGAAGTCAAGTATACAGGAGACATGCACATCTCAAAGGACACA
GTGACAGTTGGACATTGGGTGTTTTACTCTGTTCTTTCTTGTCAACCAGCTATTGGTTTTTCAGTGT
CACTGTCTGTACTAAAAGCTCACTCTCCTTCTGCGCCATCGATGCAGCCAGTACAGACAAAAGCAA
TAAGTATTTGTGTCATCCTGAGTGGTCTGGTGTATTTCTGGTGTGGTTTTCTGTCCTCGTTTGA
TGACCTGGCATTGCTCCTGCTTTTAGTCCAACAGCATGGTGTGTTGGCCATTCTCAGTACAGTG
GCATTAGTTGAACCACTGATGAATACAATGCTATAGTGTGGCTCACCTGTCAGTAAAGATGACATGT
TATTGGTCTGCCTGTCTGTAGTACAATGGAACAATGTTGTTCTCTTAATGTAATGTTGATGGATGATGT
CCCAAGTACAATAGTGTAGTTCTGTCTATCCTCAATACAGTAACAGGCATATGTCTTCCCAGTGGAGA
AAGATATGGTATTGGTTCACCTAGTCTTAAAGTCTCAATATCATCTGTTGCTGGTCTGCCTGTTAGTACA
ATGGCATGATCCACCTCTCAGTACACAAATATCATGGAGCTGTTCTGCCTGCTCTTCATACATAAGGC
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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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_004975.4](#)

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, shab-related subfamily. This member is a delayed rectifier potassium channel and its activity is modulated by some other family members. [provided by RefSeq, Jul 2008]

Locus ID:

3745

MW:

74.2