

Product datasheet for **SC203008**

Kv4.3 (KCND3) (NM_004980) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Kv4.3 (KCND3) (NM_004980) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCND3
Synonyms:	BRGDA9; KCND3L; KCND3S; KSHIVB; KV4.3; SCA19; SCA22
ACCN:	NM_004980
Insert Size:	2000 bp



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Insert Sequence: >SC203008 3'UTR clone of NM_004980
 The sequence shown below is from the reference sequence of NM_004980. 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
AGCAATGTTGTCAAGGTCTCCGCCTTGTAAACCACTGGACAGAGGGCCAGAGTGGGTAGTGGGGAATG
AAGGGGACTGGCATGTTGGTGGGTGGTCACTGAGACCACTCCCTCCCCCTTTCCCACTATTTCTGCC
TGCCCCATTGTACCCCTAGCACTGAGACTTGTGCCTGGAAGGAAAAAGAGGTAGCAAAGGGGCACCTGA
GGTTCACGCTGCTAGCGTGGACATAGCCCTGTGATACTGCATCTCACTGGGGCCAGAGGAAGGGAGGGA
GGGTGGGGGGTGGGGATAGGCCGGGGATATAGGCTATGTGCCAGGACAGGGCCTGGATGGAGGAGC
CTCAGACTCAGACCAAATAACAGTCGTTTCTGGAGACCCAGTGAGGAAAATAACAAGACCAAGAGCAGC
AAAGAGGCCAAGTTGTCACAAGCAAAACAGGAAGAAAATAAACACTGTGATTTAAGCACCTTTTTCA
AGGCTCTTAATGGATAATATTTATTCATGGGAAAAGGTGGAACAAAACACCAACGGATTTTTGTGA
AATGTTTTTCTCCATGGACCCAACACCTTTGAACCAAAACAATGCATTTTGTGAGGGATTTTTTTTCT
CCTTTTATAGCAAAAGCTTTTAGGCTAAGAAGTCAAGTATTGCTGAGTTCTCTCCATTCCCCAGGT
GGGTGAGGTCAACTGAGCCTGGGCCCCCACTGCCAGCTGACCTGTGCAGAGCTGCCAAGTGACCACAC
GGCAATCCTTACCCTTTGTCTGTCCCTGTCTCCCTTGTCTGTACCTCTCTGCTTACCCTAGCTGTT
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TCACTGCCACGCACAACAGACTTGTGCCTGGGAGTTCTATCTGTGTGAATGCAACTGCAGAGGAGAAA
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GAGAACCGAAGGACCCAGGGCTCGCAGCCTCAGCCGGTCAATAGGGCACCTTGCTATGGACCTTCTT
CAAGACCCACCATAAAGCCCATCCAGAGCCCTTCAAGAGGCCCGGGAGTAGTTTTCTCCAGAGAGGG
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GAAGGGTAAGCCTGTGTGCCTCAAGAAAATGCTTCAAAGCAAAAGCAAGTAAGAGATTCTAGATGATT
CTTACCTGCTATGAAAGATGCCTTGATGTCTGAAGAGGCTTCGGCCTGATCTCCCTGAAGATGCTGAAA
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ATATCTATTCAACTAGCTTGACCCCTGGTGGAGCTGGGGCAGCATTCTGGAATCCTCCTAACCATTG
TCACTGCTTGTAGCAGAGTAGGTGGCCCTCAGGGTTAGTGACAAGTCTTCTGCCCTTCCCAACAC
CCAGCCACCTTGCTGCAGTCTCTGTAGCCTGGGCTCTGAAATACATGAGCTCCTCGGGAGCTGCCTATC
CATCCTACAGCTTAGTGGTTAGCTGTTAATTGTAGGCCAAGAATTTCTCTCCCACACAGCCATCTA
AATGAGTTTTACTAGCCAGGAACCTAAAAACACCTTCGTGGGCTTCCCTATGACCCAGCTCGATTGA
CCCTGTAGGTTCAAAAGTTTCGAGGTGGCACCTAACCAAGATGTGGGCAGAAAGGAGAGGAGAGGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-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_004980.5](#)

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, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member includes two isoforms with different sizes, which are encoded by alternatively spliced transcript variants of this gene. [provided by RefSeq, Jul 2008]

Locus ID:

3752

MW:

73.6