

Product datasheet for **SC203007**

Kv4.3 (KCND3) (NM_172198) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Kv4.3 (KCND3) (NM_172198) Human 3' UTR Clone
Symbol: Kv4.3
Synonyms: BRGDA9; KCND3L; KCND3S; KSHIVB; KV4.3; SCA19; SCA22
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_172198
Insert Size: 259 bp
Insert Sequence: >SC203007 3' UTR clone of NM_172198
The sequence shown below is from the reference sequence of NM_172198. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

CCTTCCATAGCCAGCAATGTTGTCAAGGTCTCCGCCTTGTAACCACTGGACAGAGGGCCAGAGTGGGT
AGTGGGAATGAAGGGGACTGGCATGTTGGTGGGTGGTCACTGAGACCACTCCCTCCCCCTTTCCAC
TATTTCTGCCTGCCCCATTGTACCCCTAGCACTGAGACTTGTGCCTGGAAGGAAAAGAGGTAGCAAAGG
GGCACCTGAGGTTACGCTGCTAGCGTGGACATAGCCCTGTGATACTGC

ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

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_172198.1](#)



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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