

Product datasheet for **SC203132**

KCNQ3 (NM_004519) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KCNQ3 (NM_004519) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNQ3
Synonyms:	BFNC2; EBN2; KV7.3
ACCN:	NM_004519
Insert Size:	2000 bp



[View online »](#)

Insert Sequence:

>SC203132 3'UTR clone of NM_004519

The sequence shown below is from the reference sequence of NM_004519. 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
GTATGGACCCCTTCCAATAAGCCCATTTAAAGAGGTCACTGGCTGACCCCTCCTTGAATGTAGACAG
ACTTTGTATAGTTCACTTACTCTTACACCCGACGCTTACCAGCGGGGACACCAATGGCTGCATCAAATG
CATGCGTGTGCGTGGTGGCCCCACCCAGGCAGGGGCTTCCACAGCCTCTTCTCCCATGTCACCACA
ACAAAGTGCTTCTTTTTCAGCATGGTTTGCATGACTTTACTATATAAATGGTCCGCTAATCTCTTC
TAGGATACACATTTATCTGCTGTTTACTTTTAAATCACGATTGGACCAGTACAGGGAGAAATTACTGA
TGAGCCATGCTATTTGTCTGTTTGGTTGGCTGGTTTGGTTTGGTTTGGTAAGCAGAGAAAGTAGTTT
AAGTTATTTCTAGGATCACTGCCCTCTTGTGTAACCGCTCCAGCAATTAAGTGTGTTTGAAGCAAGG
AAATAATTTTCTCAACAAAACCACATTGTGTATCAGTGGGGCTGCCTACTGAGCTAACATTAGGAAAGG
AATGAGATAGTCATTGTCTCTAAAACAAAGAATTTAAACAAATATTTAAGGCAAAACCTTTTAAAG
CTCTCCAAAAGACCTCACTTGGCCTGATGTTACTTAGTATCATGCCTCAGTTTCTTATCTGTA AAAAG
TGGTGGTAAATCCCAAGTGTAGCATTCTGATGAGTTATGAATTGGCAGGGAGAAAACACACACACACAC
ACACACACACACACACACACATACAAAAGTTAAAATAGTTTCAAATTTATGTAGCCAAGGACAA
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AACTCTCATTTCTCCCATGATACTGAAGTACAAAATATCCATCTAAAATAGAAATTAAGTCAAGAAG
GCACACAGAAAATTTCTAGTCCAAGGACTTCTTTTATAAATGAAGAATCTTAGGCTCAGGTAAGTGA
CATACCCAGAGTCACTCAGTTGTCCCATAGAGAACCAGGACTCAAAGTCAGGCTGCCACTCTCCCT
GACCTTGTTCCTCACCACACCATTCTCCATTTATATAATGCATCCTAGAGATTGTGTCAAGATAT
ATGACTTTGTGTCGCGTGGAAAGCACCCAGTTTATCCAGCAGGAGGGGATTTCCACTTTTATTGCAAA
ACATGCTTGCTTGATGCAATGCATTTTCCAGATCTAGAAAAAATAATGCAAGCAAGCTACATTTACAGAT
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AAGATAATCCAGATGACCTAAACAAATGTCTGTATGCAGCTGACACTGCTATTCTCCCTCACAGTCTTG
TCAAGAGCCACAGTAGCTATGGCAGACATTTGGTTGATGGTTTATCATTTCCTAATACGAGAGTCTGG
CACTATGTTGGAGAGAGGAATCACTTCCCTCAGAGATAGGTTTCTTTCAACTCACATGTCAACAGTACT
GTACAAAAGCTCAGAATACAGTAATGATTAGAGCTTGACCCCTGACTTTAGGAACTTAGAACCAAAGC
CCAAAGTCCCAGGCCAAGGGCAGACATTGTGAGCAGCAGAAGGGTGTGTTTTTATGGAGAGCCCATAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-Mlul

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_004519.4](#)

Summary:

This gene encodes a protein that functions in the regulation of neuronal excitability. The encoded protein forms an M-channel by associating with the products of the related KCNQ2 or KCNQ5 genes, which both encode integral membrane proteins. M-channel currents are inhibited by M1 muscarinic acetylcholine receptors and are activated by retigabine, a novel anti-convulsant drug. Defects in this gene are a cause of benign familial neonatal convulsions type 2 (BFNC2), also known as epilepsy, benign neonatal type 2 (EBN2). Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2014]

Locus ID:

3786

MW:

77