

Product datasheet for **SC214883**

KCNMB2 (NM_005832) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	KCNMB2 (NM_005832) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNMB2
ACCN:	NM_005832
Insert Size:	1505 bp



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Insert Sequence: >SC214883 3' UTR clone of NM_005832
 The sequence shown below is from the reference sequence of NM_005832. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

CTCCCTACTATGTGAGAGGATCCAACGGATCAATAGAT**TA**AATGCAAAAATGGATAAAAATAATTTTTGTGA
 AAGCTCAAATACTGTTTTCTTTCTTTCATTCTTCACCAAAGAACCTTAAGTTTGTAACTGCAGTCTGTATGA
 GTTCCCTAATATATTCTTATATGTAGAGCAATAATGCAAAAGCTGTTCTATATGCAAACATGATGTCTTT
 ATTATTCAGGAGAATAAATAACTGTTTTGTGTTGGTGGTGGTTTTTCATAATCTTATTTCTGACTGGAA
 CTAGTACTTTCTCTCATTCCGCCAAAACAGGGCTCAGTTATTCATTTGCCAAGCTTCGTGGAGGAAT
 GTAGGTGACATCAATGTATAAAGTCTGTGTTCTGAGTTGTCAGATCTCTGAAGACAATATTTTTCATC
 ACTTATTGTTTACTAAAGCTACAGCCAAAATATTTTTTTTTCTTATTCTAAACTGAGCCCTATAGCAAG
 TGAAGGGACCAGATTTCCCTAATTAAGGAAGTTAGGTACTTTTTCTGTATTTTTACCATATCACTGTAA
 AGAAGAGGGGAAACCCAGCCAGCTACTTTTTTTCATCACTTTTTATTCATAAATTCAGATTTGTAAGAACT
 AATTTCCAAAATAAAGCTGTTTTCAATAGCCAGTTCTATAATATCTTCTGTGATTTATGTAGAAAATG
 AACACACCCCTTTTCCATTTAAGACCCTGCTACTGTGTGAAGAGATGATACTTACAAGGAGTGCATTAC
 CTGTGAGCTGACTGAATGTTGGTAGGTGCTCCATTACAATCCAGGAAAGTCTGTGTTACTGATATTTGTG
 TGGAAATCTTTATTTCACTTCAATTTAACCATTAGATGGTAAAATTAAGATGCTACTTGTGGTAAAAAT
 TGGTGGACTGGTTTCAATGGGTAAATGTGTTGGGCAAATTAATGTGTTGGAATATTGCTCTTTGTGAAT
 TTGTGCTTAAGTCAATGAATGTGTAGTATCTCCTTCTGACAAGCATTCCCTATTGGGATTTTAAAGCTAT
 GTGCACAGAATATTAGTCTCTTCTACATGTTTTATTTTTCTATTATAAATCCCTTTTTTGTGTTATAT
 TTTATACACAGATAGATCTTTTTTCTAACACATATTTGAACTGAATAACAGACTTAAAGAAAGCCTTTG
 TTCACATTGCTATTTACTTTTTGTGTTGGGGGAAAATACGAGGGATTGATTTTAAATAAAAAACATTCCA
 TCTTTCAATTAATCAATATCAAAGAAGAAGACAAACATCTATCTTTCTCATCTATATTTAAGTACCT
 TTTTGAATGTAGTATCAAAGTTTTTAGGTAATGCAAAATTTTACAAATCATTGTGGAATGAATGGTA
 AAATAATCTGATGAAATGGAAAATTATTCTGCAATATTGTAATTCATAGTTGACTTTTCATAAGCAAA
 TAAATCCCTAGGATGTAATCAGGACTTCAAATGTG

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCG

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_005832.3](#)

Summary:

MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which decreases the activation time of MaxiK alpha subunit currents. Alternative splicing results in multiple transcript variants of this gene. Additional variants are discussed in the literature, but their full length nature has not been described. [provided by RefSeq, Jul 2013]

Locus ID:

10242