

## Product datasheet for **SC214884**

### **KCNMB2 (NM\_181361) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	KCNMB2 (NM_181361) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNMB2
ACCN:	NM_181361
Insert Size:	1505 bp



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**Insert Sequence:** >SC214884 3' UTR clone of NM\_181361  
 The sequence shown below is from the reference sequence of NM\_181361. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

CTCCCTACTATGTGAGAGGATCCAACGGATCAATAGAT**TA**AATGCAAAAATGGATAAAAATAATTTTTGTTA  
 AAGCTCAAATACTGTTTTCTTTCTTTCATTCTTCACCAAAGAACCTTAAGTTTGTAACTGCAGTCTGTATGA  
 GTTCCCTAATATATTCTTATATGTAGAGCAATAATGCAAAAGCTGTTCTATATGCAAACATGATGCTTT  
 ATTATTCAGGAGAATAAATAACTGTTTTGTGTTGGTGGTGGTTTTTCATAATCTTATTTCTGACTGGAA  
 CTAGTACTTTCTCTCATTCCGCCAAAACAGGGCTCAGTTATTCATTTGCCAAGCTTCGTGGAGGAAT  
 GTAGGTGACATCAATGTGATAAAGTCTGTGTTCTGAGTTGTCAGATCTCTGAAGACAATATTTTTCATC  
 ACTTATTGTTTACTAAAGCTACAGCCAAAATATTTTTTTTTCTTATTCTAAACTGAGCCCTATAGCAAG  
 TGAAGGGACCAGATTTCCCTAATTAAGGAAGTTAGGTACTTTTTCTTGTATTTTTACCATATCACTGTAA  
 AGAAGAGGGGAAACCCAGCCAGCTACTTTTTTTCATCACTTTTTATTCATAAATTCAGATTTGTAAGAACT  
 AATTTCCAAAATATAAGCTGTTTTCTTATAGCCAGTTCTATAATATCTTCTGTGATTTATGTAGAAAATG  
 AACACACCCCTTTTCCATTTAAGACCCTGCTACTGTGTGAAGAGATGATACTTACAAGGAGTGTCACTTAC  
 CTGTGAGCTGACTGAATGTTGGTAGGTGCTCCATTACAATCCAGGAAAGTCTGTGTTACTGATATTTGTG  
 TGGAAATCTTTATTTCACTTCAATTTAACCATTAGATGGTAAAATTAAGATGCTACTTGTGGTAAAAAT  
 TGGTGGACTGGTTTCAATGGGTAAATGTGTTGGGCAAAATTAAGTGTGGAATATTGCTCTTTGTGAAT  
 TTGTGCTTAAGTCAATGAATGTGTAGTATCTCCTTCTGACAAGCATTCCCTATTGGGATTTTAAAGCTAT  
 GTGCACAGAATATTAGTCTCTTCTACATGTTTTATTTTTCTATTATAAATCCCTTTTTTGTGTTATAT  
 TTTATACACAGATAGATCTTTTTTCTAACACATATTTGAACTGAATAACAGACTTAAAGAAAGCCTTTG  
 TTCACATTGCTATTTACTTTTTGTGTTGGGGGAAAATACGAGGGATTGATTTTAAATAAAAAACATTCCA  
 TCTTTCAATTAATCAATATCAAAAGAAGAAGACAAACATCTATCTTTCTCATCTATATTTAAGTACCT  
 TTTTGAATGTAGTATCAAAGTTTTTAGGTAATGCAAAATTTTACAAATCATTGTGGAATGAATGGTA  
 AAATAATCTGATGAAATGGAAAATTATTCTGCAATATTGTAATTCATAGTTGACTTTTCATAAGCAAA  
 TAAATCCCTAGGATGTAATCAGGACTTCAAATGTG

**ACGCGT**AAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCG

**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\\_181361.1](#)

**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