

## Product datasheet for **SC207311**

### **KCNMB4 (NM\_014505) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	KCNMB4 (NM_014505) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNMB4
ACCN:	NM_014505
Insert Size:	2000 bp



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**Insert Sequence:** >SC207311 3'UTR clone of NM\_014505  
 The sequence shown below is from the reference sequence of NM\_014505. 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
GAAGCCATGAAGAAGCGCAAGTTCTCTAAAGGGGAAGGAGGCTGTAGAAAAGCAAAGTACAGAAGCTG
TACTCATCGGCACGCGTCCACCTGCGGAACCTGTGTTTCTGGCGCAGGAGATGGACAGGGCCACGACA
GGGCTCTGAGAGGCTCATCCCTCAGTGGCAACAGAAACAGGCACAACCTGGAAGACTTGGAACTCAAAG
CTTGATTCCATCTGCTGTAGCAATGGCTAAAGGGTCAAGATCTTAGCTGTATGGAGTAACATTTTCAG
AAAACCTATAAGAAGTTCATTTTCTTTCAAAGTAACAGTATATTTTGTACAGTGTAGTATACAAA
CCATTATGATTTATGCTACTTAAAAATATTAATAAGAGTGGTCTGTGTTATTTTCTATTTCTTTTTT
ATGCTTAGAACACCAGGGTTTAAAAAAAAAAAAAGGTGAGGACATCTGGGTCTCATTGCTTCTGCTA
GGTTAAACTTTTACTTGACAACAAGGATTCCTGCTGAAGTCTGAACCTTACTGTGAACCTCAGTTTC
CACTATTAAGAGTATCTTTTGACGTCTGCTTGGAAAATGAATAGTATACTGGTAACTCAGTCTCCAGT
CACCTCTGTGCTCTTAAGCAAGAGATTCTAAAAGATTGGGAAAACATATCCTCCAACACCTGCCTTTG
CCTAACCATATTTTTACCAGATTACTTCTTAAGAGAGGGAGGTGATTCTGAAGAAGGCTTCTATCTC
AAAAAGCACTGGGCTTCCATTATCATCTGTTCTTGTGTTTTTGACGGAGTTAAAAAGTTTGTGTGCA
ATACAATATACATGATGTGAAGGACACTCTCAGCTTAGTGAACGCTGTTTTCATTTTTTTTTTTTTT
TGTAGGTCAGAAAAACAACAAAATCAGTTCAGCATTGTCAGTTTGTCTAGACAAACCTGGAGATGCAACCCAG
CTCACATCATTGCTACTGATGAGCTTTCTGTGCTTTATCAAAAGTTGATTGAGAAGACCATATTTCTT
TGATCTTTTTATAAACTCAAATTCGAAGTATCAAATCGCAGGTCAGTGAACATCAAACCTATTTAC
TACATAGAATCAAACCTTTGTTTAGGTGAGATGTACATCGTTAGTGGAGGAAAACTGACAACTAATT
TCATTTGTTTTCTCTGATACTCTCAGACATGCCTCTATTAGAATAAAGGTAACTGGAATTTAAAGA
CAAGTTCCTCAGTATTTCCATGGAGCTGTAATATGTATATATGGAGTGATGGTTTCTGACCTTTA
GTCCACATACCAATGTTTTCTTTTTCTTTTTTTTTTTTTTTTTGAGATGGTGTCTCACTCTGTTGCC
AGGCTGGAGTGCAGTGGCAGTCTCGGCTCACTACAGTCTCCACCTCCTGGGTTCAAGTATTCTCT
GCCTCAGCCTCCCGAGTAGCTGGGACTACAGGCACGACCACCACGCTGGCTAATTTTTTTGTATTTT
TAGTAGAGACGGGTTTACCCTGTTAGCCAGGATGGTCTCAATCTCCTGACCTGTGATCTGCCACT
TCACCTCCAAAGTGCTGGGATTACAGGCCAATGTTTTCTTAATCTTAGAATGTGAATAACTGAAAATC
ATAGTCTGTGAAAGGTGTTGAATTGAGTATAATCTTCTCTGTTATTTTTGTGTTTTGTTTTAAC
AGATGGGTATCTTGCTATGTTGCCAGGATGGAGTGCAGTAGCTATTACAGGTATGATCATAGCACAC
TGCAGCCTCAAGCTCCTGGGCTCAAGCGATCCCCCTCCCTCAGCCTCCAAGTATCTGGGTTACTGGT
GTGACCACCGTCTGGCTCCAATAATTTTTTTCTAATTCAAAAGTTACAGTTTCACTGTGAAAAA
AGCGGACCGACTTACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTGATTCCACCGCCG
  
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**Restriction Sites:** SgfI-RsrII

**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\\_014505.6](#)

**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 slows activation kinetics, leads to steeper calcium sensitivity, and shifts the voltage range of current activation to more negative potentials than does the beta 1 subunit. [provided by RefSeq, Jul 2008]

**Locus ID:** 27345

**MW:** 75.7