

Product datasheet for **RN203903**

Kcnmb3 (NM_001104560) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnmb3 (NM_001104560) Rat Untagged Clone
Tag: Tag Free
Symbol: Kcnmb3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN203903 representing NM_001104560
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCCCTTCAGCATCCCGGTCCAAATCACACTACAGGGTGGTCGGAGGCGCCAAGGGAGGACAGCAC
TTCCGGCCTCAGGCATAAGCAATGGAGATCCCTGAAGGTGCACCCAAAACCTCCATCGAGCGCTGGTGA
GGACCGGGCCACGCTGCTGGGCATCGCCATGATGGCCTCCTCCGTGCTGATGTTCTTCTGCTGGGGACC
ACTGTGTTGAAGCCCTTCATGCTCAGCTCTCCAGAGAAGAATCAAACCTGCACCACTGTCCACACACACA
TTGCAGATGATTGGCTGGACTTTGCCTCACCTGTGAGGGTAGCTGCCAGGGCCAGGGGACATACCCTTG
CCTGCAGGTGTTGTCACCTTAGCCACTCGGGACAGAAAGTGCTTCTCCATTACGATGAGGAGGCCATC
AGGACCAACCCCAAGTGCTTTTACACACCCAAGTGTCACGGAGACAGGGATCATCTGCTCAACAGTGCCC
TGGACATCAAGGAATTCTTCGATCACAACAATGGAACCTTCCCCTGCTTCTACAGTCTGACGGGCCCT
GGGAGTGGTCTGAGGAAGTCTGGCCACAAGTTGTCTTTCAGTCTTATTTGGCCTTACTGACATTG
CTGGGAGGCGCTCTGATTGTTGGTTTGGTTAGGCTAACACAACATCTGTCCTTTCAGTGTGAAAAGTATA
GAGCAGTGGTAAGAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001104560
Insert Size: 720 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001104560.2</u> , <u>NP_001098030.1</u>
RefSeq Size:	1637 bp
RefSeq ORF:	720 bp
Locus ID:	310303
UniProt ID:	<u>A7VL23</u>
Cytogenetics:	2q24
Gene Summary:	Regulatory subunit of the calcium activated potassium KCNMA1 (maxiK) channel. Modulates the calcium sensitivity and gating kinetics of KCNMA1, thereby contributing to KCNMA1 channel diversity. Alters the functional properties of the current expressed by the KCNMA1 channel. May partially inactivate the current of KCNBMA. Two or more subunits of KCNMB3 are required to block the KCNMA1 tetramer (By similarity).[UniProtKB/Swiss-Prot Function]