

Product datasheet for **MC207723**

Kcnmb2 (NM_028231) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnmb2 (NM_028231) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcnmb2
Synonyms: 2700049B16Rik; 3110031N04Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207723 representing NM_028231
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTTATATGGACCAGTGGCCGACCTTTCATCTTACAGACAGGACGAGAAAAGAAATATCTACCAGA
AAATCAGGGACCATGACCTCCTGGACAAAAGAAAAGTGTGACAGCTCTGAAGGCTGGGGAGGACCGGGC
CATCCTGCTCGGCCTGGCCATGATGGTGTGCTCCATCATGATGTACTTCTGCTGGGAATCACACTGCTG
CGCTCCTACATGCAGAGCGTGTGGACAGAAGAAGCCAGTGTGCCCTGCTGAATGTGTCAATCACAGAAA
CGTTTAACTGTTCCCTCAGCTGTGGGCCGACTGTTGGAAGCTCTCTCAGTACCCTTGCCTGCAGGTGTA
CGTGAACCTGACATCTCCGGGGAGAGGCTCCTCCTTACCACACGGAAGAGACCATGAAGATCAATCAA
AAGTGCTCCTATATTCCTAAGTGTGAAACAACCTTTGAGGAGTCCATGTCTCTCGTGAGTGTGTCATGG
AAAACCTCAGGAGACCAACACTTCCCCTGCTATTCTGACCCAGAAGGAAACCAGAAGAGTGTGTCATCCT
GACCAAACCTACAGCTCCAATGTGCTGTTCCATTCTCTTCTGGCCAACCTTGATGATGGCTGGGGGT
GTGGCAATCGTTGCTATGGTAAACTAACTCAGTACCTCTCCCTGCTTTGTGAGAGGATCCAACGGATCA
ACAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028231
Insert Size: 708 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:	NM_028231.2 , NP_082507.1
RefSeq Size:	2947 bp
RefSeq ORF:	708 bp
Locus ID:	72413
UniProt ID:	Q9CZM9
Cytogenetics:	3 A3
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. Acts as a negative regulator that confers rapid and complete inactivation of KCNMA1 channel complex (By similarity).[UniProtKB/Swiss-Prot Function]