

Product datasheet for **RN211613**

Kcnmb1 (NM_019273) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnmb1 (NM_019273) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnmb1
Synonyms:	BKbeta; BKbeta1; k(VCA)beta-1; slo-beta; slo-beta-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211613 representing NM_019273 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAAGAAGCTGGTGTATGGCCAGAAGCGCGGAGAGACTCGAGCCCTCTGCCTGGGGTGGCGATGG
TCGTGTGTGCCCATCACTTACTACATCCTGGGTACCACTGTGCTGCCCTCTACCAGAAAAGTGTGTG
GACCCAGGAATCCACCTGTCACCTGGTTGAAACCAACATCAAGGACCAGGAAGAGCTGGAGGCAGGAAG
GTGCCAGTACCCATGCCTTTGGTCAATGTATCAGCTGTGGCAGATGGCCATGCTGTATCACACAG
AAGACTCGGGATCAAACCAACAGTGTCTATATCCCAGGAACCTGGACAACCTACCAGACAGCCTT
GGTTGATGTGAAGAAGGTGAGAGCAATTTCTACAACACCATAATTTCTATTGCTTTCTGCACCTCAA
GTCAATGAGACAGTGTGTGTACCAGCGCCTCTATGGGCCCCAAATCCTCCTCTCTCCTTCTTCTGGC
CCACCTTCTGCTGACTGGTGGCCTTCTTATCATTGCCATGGTAAAGCTCAACAGGTCCTCTCTGTCTT
GGCAGCTCAGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja3199_f10.zip
Restriction Sites:	SgfI-MluI
ACCN:	NM_019273
Insert Size:	576 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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_019273.1](#), [NP_062146.1](#)

RefSeq Size: 1278 bp

RefSeq ORF: 576 bp

Locus ID: 29747

UniProt ID: [P97678](#)

Cytogenetics: 10q12

Gene Summary: modulatory subunit of the MaxiK large conductance potassium channel; voltage and calcium-sensitive potassium channel [RGD, Feb 2006]