

Product datasheet for **RN214418**

Kcnmb4 (NM_023960) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnmb4 (NM_023960) Rat Untagged Clone
Tag: Tag Free
Symbol: Kcnmb4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214418 representing NM_023960
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAAGCTCAGGGTGTCTTACGAGTACACGGAAGCCGAAGACAAGAGCATCCGGCTCGGCTTGTTC
 TCATCGTCTCTGGCATCCTGTCGCTCTTCATCTTCGGCTTCTGCTGGCTCAGTCCCGCCTTGCAGGATCT
 GCAAGCCACGGCGCAACTGCACGGTGTGTCGGTGCAGCAGATCGGCGAGGTTCGAGTGCACCTTC
 ACCTGTGGCACCGACTGCAGGGCACCTCGCAGTATCCCTGCGTCCAGGTGTACGTGAACAACCTCCGAGT
 CCAACTCCAGGGCGTGTACACAGCGACCAGCACCAGCTCCTGACTAACCCCAAGTGTCTCTATATCCC
 GCCCTGTAAGAGAGAAAACCAGAAGAACTCGGAAAGTGTGATGAACTGGCAACAGTATTGAAAAGATGAG
 ATCGGTTCCAGCCATTCACCTGCTATTTAATCAACATCAAAGACCAGAGGACGTTCTCCTGCAGCGCA
 CACATGACGAGATTGCTCCTGCACTGCTTCTCTGGCCGGTGGTGGCGTTTGTGGTGGGTGCTCCTCAT
 CGTGGTCTCACCATCTGTGCCAAGAGCCTGGCAGTCAAGGCAGAAGCCATGAAGAAACGCAAGTCTCT
 TAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_023960
Insert Size: 633 bp

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).



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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_023960.2</u> , <u>NP_076450.1</u>
RefSeq Size:	1028 bp
RefSeq ORF:	633 bp
Locus ID:	66016
UniProt ID:	<u>Q9ESK8</u>
Cytogenetics:	7q22
Gene Summary:	mouse homolog is a subunit of the large conductance calcium-dependent potassium channel; downregulates channel activity [RGD, Feb 2006]