

Product datasheet for **MC217007**

Kcnv1 (NM_026200) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnv1 (NM_026200) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnv1
Synonyms:	2700023A03Rik; vibe
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC217007 representing NM_026200
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCTGTACCCCGCAACCGCCGCTACTGGACTCGTCGCTGGACAGCGTTCTCTGACCTCAC
 TGGACTCCAGTGTCTTCTGTAGCGAGGGCGAAGGGGAACCTTGGCTCTGGGGACTGCTTTACAGTCAA
 CGTGGGCGGTAGCCGCTTCGTGCTCTCGCAGCAAGCTCTGTCTGCTTCCCGCACACGCGCTGGGCAAA
 CTGGCCGTAGTGGTGGCCTCCTACCGCCGCTGGGTGCCCTGGCTGCCGCCCCAGCCCCCTGGAGCTTT
 GCGATGATGCGAATCCGGTGGACAACGAGTACTTCTTTGATCGCAGCTCTCAGGCGTTCCGTTATGTCT
 GCACTACTATCGCACTGGTCGCCTGCATGTTCATGGAGCAGCTCTGTGCGCTCTCCTTTCTCAGGAGATC
 CAGTACTGGGGCATAGATGAACCTCAGCATTGACTCCTGCTGCAGGGACAGATACTTCAGAAGAAAGGAGC
 TGAGTGAACCTTTGACTTTAAGAAGGACACAGATGACCAGGAAAGTCAACATGAGAGTGAACAGGACTT
 CTCAAAAGGACCTTTGCCACTGTCCGACAAAAGCTCTGGGATATTCTGGAGAAACCTGGATCTTCCACA
 GCAGCCCGGATCTTTGGAGTAATCTCCATCATTTTTGTGGCAGTGTCCATCGTCAACATGGCCCTGATGT
 CAGCTGAGCTTAGCTGGCTCAACCTACAGCTGCTGGAGATCTTGGAGTATGTGTGCATCAGCTGGTTCAC
 CGGGGAGTTCTGCTGCGCTTCCATGTGTGAAAGACAGGTGCCACTTCTGAGGAAGGTTCCAAACATC
 ATAGACCTCCTTGCCATCTTGCCCTTCTATAAATCTTCTGGTGGAAAGCCTGAGCGGCAGCCACACCA
 CACAAGAGCTGGAAAATGTGGGACGTCTGGTCCAGGTCTTGGGCTCCTCAGAGCTCTGCGCATGCTGAA
 ACTGGGAAGGCATTCTACAGGATTGCGCTCACTTGGGATGACAATCACTCAGTGCATGAAGAAGTTGGC
 TCACTGCTCCTGTTTCTATCTGTGGGATTTCTATATTTTCAACAATAGAATACTTTCAGAGCAAAGCA
 TTCCTGATACAACCTTCAAGTGTTCCTTGTGCATGGTGGTGGCCACAACATCCATGACTACAGTAGG
 ATATGGGGACATTAGACCAGACACCACAGGCAAAATCGTGGCCTTCATGTGATTCTGTGAGGAATC
 CTTGTCTTGGCCTTGCCATTGCCATTATAATGATCGATTCTCTGCTTGTACTTCACCTTGAACCTCA
 AGGAAGCAGCTGTGAGACAGCGTGAAGCTCTCAAGAACTTACCAAGAATATAGCCACTGACTCATATAT
 TAGTGTTAACTTGAGGGATGTCTATGCCCGGAGCATAATGGAGATGCTTCGATTAAGGGCAGGGAGAGA
 GCAAGTACTAGAAGCAGTGGTGGAGATGATTTCTGTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_026200
- Insert Size:** 1512 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).
- 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_026200.3](#), [NP_080476.2](#)

RefSeq Size: 4496 bp

RefSeq ORF: 1512 bp

Locus ID: 67498

UniProt ID: [Q8BZN2](#)

Cytogenetics: 15 B3.3

Gene Summary: Potassium channel subunit that does not form functional channels by itself. Modulates KCNB1 and KCNB2 channel activity by shifting the threshold for inactivation to more negative values and by slowing the rate of inactivation. Can down-regulate the channel activity of KCNB1, KCNB2, KCNC4 and KCND1, possibly by trapping them in intracellular membranes (By similarity).[UniProtKB/Swiss-Prot Function]