

Product datasheet for **MC217370**

Kcng1 (NM_001081134) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcng1 (NM_001081134) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcng1
Synonyms:	AW536275; OTTMUSG00000016048
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217370 representing NM_001081134
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCCTGTTACCGGGAGACAACCTCGCACTATGACTACAGCGCTCTAAGCTGCGCCTCAGACACCTCCT
 TCCACCCGGCCTTCTTCCACAGCGCCAGGCCATCAAGGGCGTCTTCTACCGCAGGGCCCAACGATTGCG
 GCCGCAGGACGACCTGCACCAGAGCTGCTCCCTTGGGGACCGCAGGCGACAGATCATCATCAACGTGGGT
 GGCATCAAGTACTCACTACCTTGGACCACCCTGGATGAGTTCCTCACTGACCGGGCTGGGCCAGCTCAAGG
 CCTGCACCAACTTCGACGACATCCTGAGCGTGTGTGATGACTATGACGTAACCTGCAACGAGTCTTCTT
 CGACCGCAACCCGGAGCTTTTGGCACCATCCTCACCTTCTGCGGGCCGGAAGCTGAGGCTGCTTCGG
 GAGATGTGCGCCCTGCTTCCAGGAGGAGCTGCTGTACTGGGGCATCGCGGAGGACCACCTGGACGGCT
 GCTGCAAGCGCCGGTACCTGCAGAAAAATCGAGGAGTTTGTGAGATGATGGAGCGGAGGAGGAGGAGGA
 GCCGCTGGACAGCGAGGATCAAGAGAGTGAGGGTCCGTCGCCAGCGAGGGCCGCTGAGCCGCTGCATG
 AGGAGGCTGCGTGACATGGTGGAGCGGCCACACTCAGGGCTGCCTGGCAAGGTGTTTGCCTGCCTGTCCG
 TTCTGTTTGTACCGTCAACCGCCGTCAACCTGTCTGTCAGCACCTGCCAGCCTGCGTGAGGAGGAGGA
 ACAGGGCCAGTGTCCAGATGTGCCACAACGTCTTTCATCGTCGAGTCCGGTGTGCGTGGGCTGGTTCTCC
 CTAGAGTTCCTGCTGCGCTTTCATCCAGGCACCCAGCAAGTTCGCCTTCTGCGGAGTCCGCTGACCCCTCA
 TCGACCTGGTGGCCATCCTGCCTTACTATGTACACTGCTGGTGGATGGCGCTGCCTCCAGCCGCCGCAA
 GCCGAGCACCGGCAACAGCTACCTGGACAAGTTGGGCTAGTGTGCGGTGCTGCGGGCGCTGCGCATC
 CTCTACGTGATGCGTCTGGCCCGCATTCACTGGGGCTGCAGACACTGGGCCCTCACGGCACGGCGCTGCA
 CGCGTGAATTCGGGCTTCTGCTGCTTTTCCGTGTGTGGCCATCGCCCTTTTGGCCCACTGCTATGT
 CATCGAATGAGATGGCAGACAGCCCCGAATTCACCAGCATCCCCGCCTGCTACTGGTGGGCTGTCATC
 ACCATGACAACCGTAGGCTACGGAGACATGGTACCCCGGAGCACACCGGGTCAAGTGGTGGCTCTGAGCA
 GCATCCTCAGTGGCATCCTCCTCATGGCCTTCCCTGTACCTCCATCTTCCATACTTTCTCCCGCTTTA
 CCTGGAGCTCAAGCAGGAACAAGAACGGGTGCTGATCCGCCGGGCTCAGTACCTCATCAAACCAAGTCA
 CAGCTCAGTGGCATGTCCAGGACAGTACATCTTGTGGAAAGTGCCTTTCAGACACTAGGGACAACA
ACTGA

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001081134

Insert Size: 1545 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_001081134.1](#), [NP_001074603.1](#)

RefSeq Size: 2316 bp

RefSeq ORF: 1545 bp

Locus ID: 241794

UniProt ID: [A2BDX4](#)

Cytogenetics: 2 H3

Gene Summary: Potassium channel subunit that does not form functional channels by itself. Can form functional heterotetrameric channels with KCNB1; modulates the delayed rectifier voltage-gated potassium channel activation and deactivation rates of KCNB1.[UniProtKB/Swiss-Prot Function]