

Product datasheet for **MC217171**

Kcng4 (NM_025734) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcng4 (NM_025734) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcng4
Synonyms:	4921535I01Rik; AW049024; KV6.3; KV6.4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217171 representing NM_025734
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCATGTCTTCCAGAGACAGGGACTTGCATCCTGGACACCATCACTTTGGCTCCTGCAGCCCCTTGA
 GCCAGCTCTGGCCGGCCCCGAGCCTAAGTCAGTCAAGGCCCTTTACTACAGCAGGGCCCCGAAGGTGGG
 CAACCAGGACGCCTCTCCGGAGGCCAATTGAAGGAGATCCTAGTGAATGTGGGTGGCCAGCGGTACCTG
 CTGCCCTGGAGCACCTGGATGCCTTCCCGCTGAGCCGCCTGAGCAGGCTCCGGGTGTGCCGAGCCATG
 AGGAGATCACGCAGCTCTGCGATGACTACGATGAGGACAGCCAGGAGTTCTTCTTCGACAGGAACCCAG
 CGCCTTCGGGGTATCGTGAAGCTTCTGGCCGGGAAAGCTGGTGTCTTGCAGAGATGTGCCCTG
 TCCTTCCGGGAGGAGCTGAGCTACTGGGCATCGAGGAAACCACTGGAGCGTCTGCCTGCCAAGC
 TGCTGAAGAAGCTGGAGGAGCGGCCGAGCTGCGCCGGGAGGAGCTGCCAGCGCCAGCAGCAGCGCCA
 GGCTGCCACTCCGAGGTGCAGGCTTACGATGGGCCCGCAGCATGAACCAGCTGCGTGAATGGTGGAG
 GACCCACAGTCCGGGGCTGCCCGGAAGGTCTTCGCTGCCTCTCCGTGCTCTTCGTGGCAACCACGGCTG
 TCAGCCTGTGTGTGAGCACCATGCCCGACTTCAGGGCTGAGGAGGGCAAGGGAGAATGACTAGAAAGTG
 CTATTACATCTTCGTGGTGAATCCATCTGTGTGGCCTGGTTCTCGCTGGAGTTTTCCTGCGCTTTGTC
 CAGGCCCGAACAATGTCAAGTCTTCCGCGGGCCCTGAATGTCATCGACATTCTAGCCATCTCCCAT
 ACTATGTGTGCTCGCAGTGTCTGACGAATCCCCGAGGCGAGGCGGAGAGCCGAGCAGCTCCTACCT
 GGAGAAAGTGGGGTTAGTGTGCGTGTCTGCGGGCACTACGCATCCTCTACGTAATGCGCTGGCTCGC
 CACTCCCTGGGGCTGCAGACGCTGGGCCCTACTGTGCGCCGCTGCGCCGAGAGTTTGGTCTCCTGATGC
 TCTTCTGGCTGTGGCGGTTACCCTCTTCCACCGTTGGTCTATGTAGCTGAGAATGAGTCCGGAAGGGT
 CCTGGAGTTCAGTACATCCCCGCATCCTATTGGTGGGCCATCATCTCCATGACGACCGTGGGCTATGGG
 GACATGGTCCCTCGCAGCGTCCCGGACAGATGGTGGCTCTGAGCAGCATCCTTAGCGGGATCCTTATCA
 TGGCTTCCAGCCACATCCATCTTCCACACGTTCTCTACTCCTACCTGGAGCTGAAGCGGGAGCAGGA
 GCAGGTCCAGGCCCGCTCCGGCGTCTTCAAGACCAATTTCGGCCAGCGAACGGGAGCTCTGAGTGAC
 GTAGATGATCTGGTCCCTGAGGGTCTGACCTCCCCAGGCCGCTACATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_025734
- Insert Size:** 1521 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_025734.2](#), [NP_080010.2](#)

RefSeq Size: 3822 bp

RefSeq ORF: 1521 bp

Locus ID: 66733

UniProt ID: [Q80XM3](#)

Cytogenetics: 8 E1

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]