

Product datasheet for **RN207262**

Kcng2 (NM_001107372) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcng2 (NM_001107372) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcng2
Synonyms:	Kv6.2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207262 representing NM_001107372
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCGGCTCCCGGGGACCCGGAGGTCCCGGCGCCGAGCCTGGCAGCGCAGTCCGAGGGGGCCGAG
GCGGCCGCGGGGCCCGGGCGCCACGTATAATCAACGTCGGGGGCTGCAGGGTGCCTTGGCCTGGGC
TGCGCTGGCCCGCTGTCCCTGGCTCGCCTCGAGCGCCTGCGAGCCTGCCGCGGCCACGACGAGCTGCTG
CGCGTGTGTGACGACTACGACGTGAGCCGCGACGAGTTCTTTCGACCGCAGCCGTGCGCTTTCCGCG
CCATCGTGGCGCTGCTGCGCGCCGGCAAGCTGAGGCTGCTGCGCGGCCGTGCGCCCTGGCCTTCCGGGA
CGAGCTGGCCTACTGGGGCATCGACGAGGCGCGGCTGGAGCGCTGCTGCCTGCGCCGTCTGCGCCGTGCG
GAGGAGGAGGCCCGGAGGCGAGGGCCACGCCGCCCGCCGAGGGCCGACAGCCAGCCCCGGCCGAGCCC
TGGGGAGCGGGCGGCTGGAGCGAGGCCACGGCGCCTGCGCGACGTGGTGGAGAACCCTCCGACTCCGGGCT
GGCGGGCAAGCTCTTCGCTACGTCTCCGTGGCCTTCGTGGCCGTACGCGCCGTGGGCTGTGCCTGAGC
ACCATGCCTGAGTCCGCGCAGAGGAGGAAAGGGGCGAGTGTCCACCAAGTGGCCCAACCTCTTCGTGT
TGGAGACAGTGTGCGTGGCCTGGTTCTCCTTCGAGTTCCTGCTGCGCTCCCTGCAAGCCGAGAGCAAGT
CGCCTTCTCCGTACGCCTCTTGCCATCATCGACATCCTGGCCATCCTGCCCTTCTACGTGTCGCTGCTC
GCGGGACTGGCCGAGGGCCACGGGCAGCAAGATGCTGGAACGCGCGGGGCTGGTACTGCGGCTACTGC
GGGCGCTGCGCGTGTCTACGTGATGCGCCTGGCGGCCACTCGCTGGGGCTACGCTCGCTTGGCCTCAC
CGTGGCCCGCTGCGCGCGGAGTTCCGACTGCTGCTGCTTCTCCTGCTGCGTGGCCATGGCGCTCTTCGCG
CCGCTCGTGCACCTGGCTGAGCGCGAGCTGGGCGCTCACCGCGACTTCTCCAGCGTCCCCGCCAGCTACT
GGTGGCAGTCACTCCATGACCACCGTGGGCTATGGAGACATGGTCCACGACGCTTCCGGGCCAGGT
GGTGGCGCTGAGCAGCATCCTCAGCGGCATCCTGCTCATGGCCTTCCCTGTACCTCCATCTTCCACACC
TTCTCGCGCTCCTACTCGGAGCTCAAGGAGCAGCAGCAACGCGCGGCCAGCCCTGAACCGGTCTGCGGG
AGGACAGCACACGCGACGACAGCACGCGTTTCGGCCAGCGCCACCGAGGACAGCTCCAGGACCCGGAGAC
CGCAGGTGCCGAGGAGCTTCCAGGCCCGGTGGGACC**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001107372

Insert Size: 1443 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:	<u>NM_001107372.1, NP_001100842.1</u>
RefSeq Size:	1838 bp
RefSeq ORF:	1443 bp
Locus ID:	307234
UniProt ID:	<u>Q9QYU3</u>
Cytogenetics:	18q12.3
Gene Summary:	Potassium channel subunit. Modulates channel activity by shifting the threshold and the half-maximal activation to more negative values (By similarity).[UniProtKB/Swiss-Prot Function]