

## Product datasheet for **RN201321**

### **Kcng1 (NM\_001106545) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kcng1 (NM_001106545) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcng1
Synonyms:	Kh2; Kv6.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201321 representing NM\_001106545  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCCTGTTACCAGGAGACAACCTCGACTATGACTATAGTGTCTAAGTTGTGCCTCAGACACCTCCT  
 TCCACCCAGCCTTCTTCCACAGCGCCAGGCCATCAAAGCGTCTTCTACCGCAGGGCCCAACGGTTGGG  
 ACCGCAGGACGACCTGCACCAGAGCATCTCACTTGGGGACCGCAGGCGACAGATCATCATCAACGTGGGT  
 GGGATCAAGTACTCACTACCTTGGACCACACTGGATGAGTTCCCCCTGACCGGGCTGGGCCAGCTCAAGG  
 CCTGCACCAACTTCGACGACATCCTGAGCGTGTGTGATGACTATGACGTAACCTGCAACGAGTTCTTCTT  
 CGACCGCAACCCGGGGCCTTTGGCACCATCCTCACCTTCTGCGGGCCGGCAAGCTGCGCTGCTTCGG  
 GAGATGTGCGCCCTGTCTTCCAGGAGGAGCTGCTGTACTGGGGCATTGCGGAGGACCACCTGGACGGCT  
 GCTGCAAGCGCCGGTACCTGCAGAAAAATCGAGGAGTTTGTGAGATGATGGAGAGGGAGGATGAGGAGGA  
 GCGCTGGACAGCGAGGATCAAGAGAGTGAGGGTCCATCCACCAGCGAGGGTCGCTGAGCCGCTGCATG  
 AGGAGGCTGCGTGACATGGTGGAGAAGCCACACTCAGGGTTGCCTGGCAAGGTGTTTGCCTGCCTGTCTG  
 TTCTGTTTGTCAACGTCACCGCTGTCAACCTGTCTGTCAGCACCTGCCAGCCTGCGTGAGGAGGAGGA  
 ACAGGGCCAGTGTCCCAAATGTGCCACAACGTCTTCATCGTAGAGTCCGGTGTGCGTGGGCTGGTTCTCC  
 CTTGAGTTCCTGCTGCGGTTTCATCCAGGCACCCAGCAAGTTCCGCTTCTGCGGAGCCCGCTGACCCCTCA  
 TCGATCTGGTGGCCATCCTGCCTTACTACGTACACTGCTGGTGGATGGCGCTGCCTCCAGCCGCCGCAA  
 GCCAAGCACCGGCAACAGCTACCTGGACAAGTTGGGCTGGTGTGCGGTGCTGCGGGCGCTGCGCATC  
 CTCTACGTGATGCGCTGGCCCGCATTCCCTGGGGCTGCAGACCCTGGGCTCACCGCACGCCCGCTGCA  
 CGGTGAATTCGGGCTTCTGCTGCTTTTCCCTGTGTGGCCATCGCTCTTTTGGCCCACTGCTACGTACGT  
 CATCGAATGAGATGGCAGACAGCCCCGAATTCACCAGCATCCCGCCTGCTACTGGTGGGCTGTCATC  
 ACCATGACAACCGTGGGCTACGGAGACATGGTACCCCGGAGCACGCCGGGCCAGGTGGTGGCTCTGAGCA  
 GCATCCTCAGCGGCATCCTCCTCATGGCCTTCCCGGTACCTCCATCTTCCATACTTTCTCCCGCTTTA  
 CCTGGAATCAAGCAGGAACAAGAACGGGTGCTGATCCGCCGGGCCAGTACCTCATCAAACCAAGTCT  
 CAGCTCAGTGGCATGTCCAAGACAGTACATCTTGTGGAAAGTGCCTTTCAGACACTAGGGACAACA  
 ACTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001106545

**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\\_001106545.1](#), [NP\\_001100015.1](#)

**RefSeq Size:** 2745 bp

**RefSeq ORF:** 1545 bp

**Locus ID:** 296395

**UniProt ID:** [D4AD53](#)

**Cytogenetics:** 3q42

**Gene Summary:** a putative K<sup>+</sup> channel [RGD, Feb 2006]