

## Product datasheet for **RN211444**

### **Kcna5 (NM\_012972) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kcna5 (NM_012972) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcna5
Synonyms:	Kv1; Kv1.5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN211444 representing NM\_012972  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGATCTCCCTGGTGCCCTGGAGAATGGCAGTGCCATGACCCTCAGAGGAGGAGGGGAGGCAGGGG  
 CAAGCTGTGTGCAGACCCCAAGGGGAGAGTGTGGGTGCCCTCCGACGTCTGGACTCAATAATCAGTCCAA  
 AGAAACACTGTTGAGGGGGCGCACAAACGCTCGAGGATGCGAACAGGGTGGACGGCCTTTGCCCCCTATG  
 GCTCAGGAGCTGCCACAACCTAGAAGGCTATCTGCTGAGGATGAGGAGGGAGAAGGCGACCTGGCCTGG  
 GCACAGTGGAGGAGGACCAGGCTCCTCAGGATGCAGGGTCACTCCATCACCAGCGAGTCTCATAAACAT  
 CTCCGGTTGCGTTTCGAGACGCAGCTGGGCACCCTGGCACAGTTTCCAAACACCCTCTGGGGGACCCA  
 GCCAAGCGCTGCACTACTTCGACCCCTTGAGAAATGAATACTTCTTCGACCGCAACCGGCCAGCTTCG  
 ATGGCATTGTACTACTACCAGTCTGGGGCCGCTGCGCAGGCCGTCATGTCTCCCTGGATGTGTT  
 TGCAGATGAGATCCGCTTTTACCAGCTGGGGGACGAGGCCATGGAGCGCTTCCGGGAGGATGAGGGCTTC  
 ATCAAGGAAGAGGAGAAGCCCTGCCCCGCAACGAGTTCAGCGCCAGGTATGGCTTATCTTCAATAACC  
 CAGAAAGCTCTGGGTCCGCAAGAGCCATCGCCATAGTGTCCGTCCTGGTCACTTCTCATCTATCATCAC  
 CTTCTGCCTGGAGACTCTGCCTGAGTTCAGGGATGAGCGGGAGCTGCTACGCCATCCCCAGTGCCGCC  
 CAGCCCCAGCCCTGCCCTGGGATCAATGGCAGCGTCTCTGGAGCACTTCTCTGGCCCTACGGTGG  
 CTCCACTCTTGCCTAGGACACTGGCCGATCCATTCTTCATCGTGGAGACCACATGTGTGATCTGGTTCAC  
 TTTTGAGTTGCTCGTGCCTTCTTGCCTGCCAGCAAGGCAGAATTCTCTCGGAATATCATGAACATC  
 ATCGATGTCGTGGCCATTTCCCTACTTTATCACCTGGGACCGAGCTGGCAGAGCAACAACAGGGG  
 GAGGGGGTCAGAAATGGGACGAGGCCATGTCCCTAGCCATCCTCAGGGTATCCGCTGGTGGGTGTT  
 TCGGATCTTCAAGCTCTCCCGCACTCCAAGGGACTGCAGATCCTGGGTAAAGACCTTGAAGCATCCATG  
 CGGAACTCGGGTACTCATCTTCTTCTTCTTATTGGAGTCATCCTCTTCTCCAGCGCTGTCTACTTCG  
 CAGAGGCAGACAATCACGGGTCCATTTCTCTAGTATCCCAGATGCCTTCTGGTGGGAGTGTACTAT  
 GACCACTGTAGGCTATGGAGACATGAGACCCATCACTGTAGGGGGCAAGATCGTGGGTTCACTGTGCGCC  
 ATAGCTGGGGTCTCACCATTGCCCTGCCTGTCCCGTCATCGTCTCCAACCTTAAATTCTATCATC  
 GGGAGACAGACCACGAGGAGCAGGCTGCCCTGAAGGAAGAACAAGGCAACCAGAGCGGGAGTCTGGCT  
 GGACACAGGGGGTCAACGGAAGGTGAGTGCAGCAAGGCCTCTTTTGAAGACTGGGGTTCCTGGAG  
 AGTTCTGACAGTATCAGAAGGGTGTGCTCTAGAAAAGTGTACCTCAAGGCAAGAGCAACGTGG  
 ACTTGGGAGGTCCTGTATGCCCTGTCTGGACTAGCCGTGAAACAGATTTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_012972
- Insert Size:** 1809 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\\_012972.1](#), [NP\\_037104.1](#)

**RefSeq Size:** 1809 bp

**RefSeq ORF:** 1809 bp

**Locus ID:** 25470

**UniProt ID:** [P19024](#)

**Cytogenetics:** 4q42

**Gene Summary:** voltage gated potassium channel; functions as a delayed rectifier-like K<sup>+</sup> channel [RGD, Feb 2006]