

## Product datasheet for **RN202411**

### **Kcna3 (NM\_019270) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kcna3 (NM_019270) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcna3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN202411 representing NM\_019270  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCGTGGTGCCCGGGACCCTGCTGGAGCCAGAAGCGCGGGAGGCGCGGGGACCCGCTC  
 AGGGAGGCTGTGTCAAGTGGCGGGCTGCGACCGCTACGAACCGCTGCCGCCGCTGCCGCCGCGGG  
 CGAGCAGGATTGCTGCGGGGAGCGGTGGTCATCAACATCTCCGGGCTGCGCTTCGAGACACAGCTCAAG  
 ACCCTCTGCCAGTTCCTGAGACGCTGCTAGGCGACCCCAAGCGGCGCATGCGGTAATTCGACCCGCTCC  
 GCAATGAGTACTTCTTTGACCGAACAGACCCAGCTTCGACGCCATCCTCTACTACTACCAGTCCGGGG  
 CCGCATCCGCCGGCCGGTCAACGTGCCATCGACATCTTCTCCGAGGAGATCCGTTCTACCAACTGGGT  
 GAGGAGGCTATGGAGAAGTTCGTGAGGACGAGGGCTTCTCGGGGAGGAGGAGCGACCCCTGCCCGCC  
 GTGACTCCAGCGCCAGGTGTGGCTGCTTTCGAATACCCCGAGAGCTCCGGGCCGGCCCGGGCATTGC  
 CATCGTGTCAAGTGTGGTATTCTCATCTCCATTGTCTTCTGCTTGGAGACTACCCGAGTTTCGC  
 GACGAGAAGGACTATCCCGCCTCCTCGTCGAGGAGCTGTTGAGGCTGCCAACACAGCAGCTCCGGGG  
 CCTCCTCTGGAGCCTCCAGCTTCTCGGACCCCTTCTTCGTAGTGGAGACCTGTGCATCATCTGGTTCTC  
 CTTTGAGCTGCTGGTGGCATTCTTTGCTTGCCCCAGTAAAGCCACCTTCTCCAGAAATATCATGAACCTG  
 ATAGACATTGTAGCCATCATCCCTTATTTTACTCTGGGCACTGAGCTGGCTGAGCGACAGGGTAATG  
 GGCAGCAGGCTATGTCACTGGCCATCCTGAGGGTATCCCGCTAGTAAGGGTCTTCCGCATCTTCAAGCT  
 CTCCCGCATTCTAAGGGGCTGCAGATCCTGGGACAGACTGAAGGCTTCCATGCGAGAGCTGGGGCTG  
 CTCATTTTCTTCTTTTTCATTGGGGTCACTCTTTTCTCCAGTGCAGTCTACTTTGCTGAGGCAGACGACC  
 CTTCTTCGGGTTTAAACAGTATCCCGGATGCCTTCTGGTGGCCGTTGGTAACCATGACAACCTGTCGGTTA  
 TGGTGATATGCACCCAGTGACCATAGGAGGCAAGATTGTGGGCTCTTTTGTGCCATCGCAGGTGTCTTG  
 ACCATTGCATTGCCGTTCTGTGATTGTTTCCAACCTCAATTACTTCTACCACCGGAGACAGAAGGGG  
 AAGAGCAAGCCAGTACATGCACGTGGGAAGCTGCCAGCACCTCTCCTTTCAGCAGAGGAGCTCCGAAA  
 AGCCCGGAGTAACTCCACTCTGAGTAAGTCGGAGTATATGGTGATCGAAGAGGGGGTATGAACACAGC  
 GCCTTCCCGCAGACCCCTTCAAACGGGCAACTCCACTGCCACTTGACCACCAACAATAATCCCAACT  
 CCTGTGTAACATCAAAAAGATATTCAGTATGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_019270
- Insert Size:** 1578 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\\_019270.3](#), [NP\\_062143.3](#)

**RefSeq Size:** 1578 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 29731

**UniProt ID:** [P15384](#)

**Cytogenetics:** 2q34

**Gene Summary:** encodes a lymphocyte potassium channel [RGD, Feb 2006]