

## Product datasheet for **RN217357**

### **Kcnq5 (NM\_001134643) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kcnq5 (NM_001134643) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnq5
Synonyms:	Kcnq5l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN217357 representing NM\_001134643  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCGCCACCACGCGGGAGGAGAGGGCGGTGCCCGGGCTCTGGGTGAGGAGCGCGCGCGG  
 CGGCGCGGGTGGGGGGCGCCGGGCAGCGGCATGAAGGATGTGGAGTCCGGCCCGGCAGGGTGTCT  
 GAACTCGGCGCCGCCAGGGGCGACGGCCTGCTGCTCGGCACCCGCGCGCGCGCTCGGCGGAGGC  
 GGCGGGCGCTTGGAGAGAGCCCGGGGAAGCAGGGGGCCGGATGAGCCTGTGGGGAAGCCGCTCT  
 CCTACACCAGCAGCCAGAGCTGTGCGGCAACGTCAAGTACCGGAGGGTGCAGAATATCTGTACAACGT  
 GCTGGAGAGACCCCGCGCTGGGCGTTCGTCTACCACGCTTCGTTTTTCTCTTGTGTTGGTTGCTT  
 ATTTTGTGAGTGTCTTACCATCCCTGAGCACAAAAGTTGGCTTCAAGTTGCCTTAAATCTGGAGT  
 TCGTGATGATCGTTGCTTTGGCTTGGAGTTCATCATTGAATCTGGTCTGCAGGTTGCTTGTGCTTA  
 TAGAGGATGGCAAGGAGACTGAGGTTTCTCGAAAGCCTTTCTGTGTTATAGATACCATTGTTCTTATC  
 GCTTCAATAGCAGTTGTTTCTGCAAAAACCTCAGGGTAATATTTTCGCCACGTACAGCCTCAGAAGTCTCC  
 GGTTCCCTACAGATCCTGCGTATGGTGGCATGGACAGAAGGGGAGGACCTGGAAGTTGCTGGGCTCCGT  
 GGTTTACGCTCACAGCAAGGAATTAATCACAGCCTGGTACATTGGATTCTGTTCTTATTTTTTTCATCC  
 TTCCTTGTCTATCTTGTGGAAAAGATGCCAATAAAGAGTTTTCAACATATGCGGATGCTCTCTGGTGGG  
 GCACAATTACACTGACAACCATTTGGCTATGGAGACAAAACACCCTAACTTGGCTGGGAAGATTGCTCTC  
 TGCAGGCTTCGCCCTTCTGGTATTTCTTTCTTTCGACTTCTGCTGGCATTCTTGGCTCAGGTTTTGCC  
 TAAAAGTACAGGAACAGCACCCGAGAAGCATTGAGAAAAGAAGGAACCCAGCTGCCAACCTCATCC  
 AGTGTCTGGCGTAGCTATGCAGCTGATGAGAAGTCGCTCCATCGCAACCTGGAAGCCACATGAA  
 GGCTTGCACACCTGCAGCCCTACCAAGAAAGAACAAGGGGAGGCAGCAAGCAGTAAGTTCTGTAGTAAT  
 AAGCAGAAGTTCTTCAAGATGTACACCTCACGGAAGCAGAGTCAAGAGCTGAGCTTAAAGGAGCGAGTGC  
 GCATGGCTAGCCCAAGAGGCCAGAGCATTAAAGAGCAGACAAGCATCGGTAGGTGACCGGAGATCCCAAG  
 CACTGACATCACTGCTGAGGGCAGCCCCACCAAGTGCAGAAGAGCTGGAGCTTCAACGACCGAACCCGC  
 TTCAGGCCCTCACTACGCTCAAGAGTTCCAGCCGAGACGGTATAGACGCTGACACAGCCCTTGGA  
 TTGACGACGTATACGATGAGAAAGGATGCCAGTGTGACGTGTCGGTGGAGGACCTCACCCACCCTCAA  
 AACCGTATCCGAGCCATCAGAATCATGAAGTTTTCATGTTGCAAAGCGGAAGTTAAGGAAACATTACGC  
 CCATATGATGTAAGGATGTCTTGGCAATACTCTGCTGGCCATCTGGACATGCTATGTAAGTAAAA  
 GCCTTCAAACACGCGTTGATCAAATCTTGGAAAAGGACAAATCACATCAGATAAAAAGACCCGAGAGAA  
 AATAACGGCAGAACACGAGACAACGACAGATGACCTCAGCATGCTGGGCCGAGTTGTGAAGGTTGAAAA  
 CAGGTACAATCCATTGAATCCAAGCTGGACTGCTTGTGGATATCTACCAGCAGGTCTCCGAAAAGGCT  
 CTGCTCGGCCCTCACTGACGTCTTCCAGATCCCGCCCTTGAATGTGAACAGACCTCTGACTATCA  
 AAGTCCCGTGGAGAGCAAAGACCTGTGAGCTCCGCGCAAAACAGTGGCTGCTTAAAGCAGGTGAGCCAGT  
 GCCAATCTCAAGAGCCCTGCAGTTCATCCTAACGCCAATGAGTTCAGTGGCCAGACTTCTACGCGC  
 TTAGCCCTACTATGCACAGCCAACTACACAGGTGCCAATGAGTCAAAACGACGGCTCCTCCGTGGTGGC  
 CACCAATAACCTTCAAACCAAATAAGCGCCGCAACCAAGCCAGCAGCTCCAACAACCTTACAGATCCCA  
 CCTCTCTCAGCCATCAAGCATCTATCCAGGCCGGAACCCCTGCTGTCCAACCCCTGGCGTACAGG  
 AGAGTATTTCTGACGTACCCACCTGCCTTGTGCTCCAAAGAAAACGTTCAAGTTCGCCAGTCAAACCT  
 GACCAAGGACCGTCCCTGAGGAAAAGTTTTGACATGGGAGGGGAACTCTGTTGTCCGTCGCCCATG  
 GTGCCAAGGACTTGGGCAAACTCTGTCTGTACAAAACCTGATCAGATCGACAGAGGAACTGAACCTTAC  
 AGTTTTCGGGCAGTGAAGTGGCTCTCGAGGCAGCAAGATTTTTATCCCAAGTGGAGAGAATCCAA  
 ATTGTTTATACTGATGAGGAGTGGTGGCCGAGGAGACAGAAACAGATACTTTTGACGGCACCCACCG  
 CCTGCCGGGAAGCTGCTTCTCATCAGATTCTAAGGACTGGAAGGTACGGTCTATCAGAACATTT  
 GTAAGACGGGAGACAGTACGGATGCCCTCAGTTTGCCTCAGTCAAACCTGAAC**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

<b>ACCN:</b>	NM_001134643
<b>Insert Size:</b>	2856 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001134643.2, NP_001128115.2</u>
<b>RefSeq Size:</b>	3807 bp
<b>RefSeq ORF:</b>	2856 bp
<b>Locus ID:</b>	259273
<b>Cytogenetics:</b>	9q13