

## Product datasheet for **RR211506**

### **Kcnj9 (NM\_053834) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kcnj9 (NM\_053834) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kcnj9  
**Synonyms:** Girk3; Kir3.3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR211506 representing NM\_053834  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGCAGGAGAACGCCGCTTCTCTCCCGGTTCGGAGGAGCCACCGCGCGCCGGTTCGCCAGCGCT  
ACGTGGAGAAGGACGGGCGCTGCAACGTGCAGCAGGGCAACGTCCGCGAGACCTACCGCTACCTGACCGA  
CCTGTTACCACGCTGGTAGATCTGCAGTGGCGCCTCAGCTGCTTCTTCGTGCTCGCCTACGCGCTC  
ACTTGGCTCTTCTTCGGCGCCATCTGGTGGCTCATCGCCTACGGCCGCGGCGACCTGGAGACCTGGAGG  
ACACCGCGTGGACACCGTGCCTCAACAACCTCAACGGCTTCGTGGCCGCCTTCTCTTCCATCGAGAC  
AGAAACCACCATCGGCTATGGGCACCGTGTATCACCGACAGTGCCTCGAGGGCATCGTGTGCTGCTG  
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CCAACAAGCGCGCCGACGCTCGTCTTCTCCTCGCACGCCGTGGTGTCTCTGCGCGACGGGCGCCTCTG  
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CTGGGAGGCATCGCGCCGCGCCCTCGAGAGGGACGACTTCGAGATCGTAGTCATTCTCGAGGGCATGGTG  
GAAGCCACGGGAATGACGTGCCAAGCTCGAAGCTCGTACCTGGTAGACGAAGTGTGTGGGGCCACCGAT  
TCACATCCGTGCTCACCTGGAGGACGGTTTCTATGAGGTGGACTACGCTAGCTTCCATGAAACCTTTGA  
GGTGCCACACCCTCATGCAGTGTTCGGAACTGGCAGAAGCTGCAGCCCGCCTTGACGCCATCTCTAC  
TGGTCCATCCCCAGCAGGCTGGATGAGAAGGTGGAGGAAGAAGGGGCTGGGGAGGGGCGAGGCGCAGGAG  
ATGGAGCTGACAAGGAGCAAAATGGCTGCCTGCCACCCCGGAGAGTGAGTCCAAGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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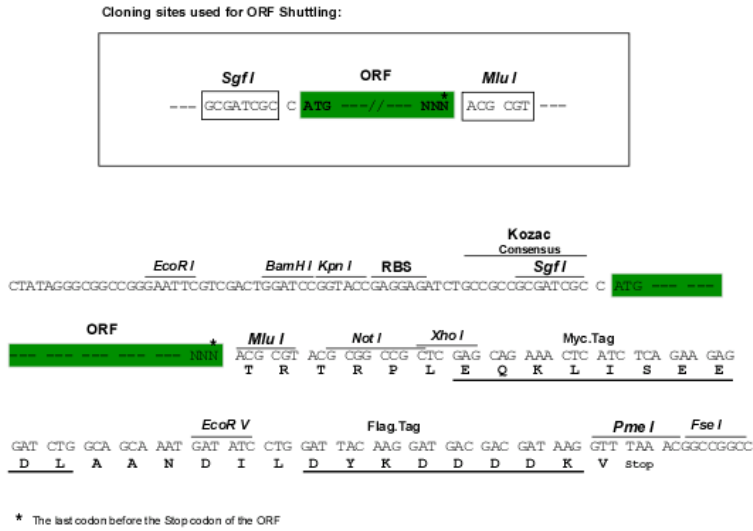
**Protein Sequence:** >RR211506 representing NM\_053834  
Red=Cloning site Green=Tags(s)

MAQENAAFSPGSEEP RRRGRQRYVEKDGR CNVQQGNVRETYRYL TDLFTTLVDLQWRL SLLFFVLAYAL  
 TWLFFGAIWWL IAYGRGDLEHLED TAWTPCVNNLNGFVAAFLFSIETETTIGYGHRVITDQCPEGIVLLL  
 LQAILGSMVNAFMV GCMFVKISQPNKRAATLV FSSHAVVSLRDGR LCLMFRVGDLRSSHIVEASIRAKLI  
 RSRQTLEGEFIPLHQTDLSVGFDTGDDRLFLV SPLVISH EIDAASPFWEASRRALERDDFEIVVILEGMV  
 EATGMTCQARSSYL VDEVLWGHFRFTSVL TLEDGFYEVDYASFHETFEVPTPSCSARELAEEAARLDAHLY  
 WSIPSR LDEKVEEEGAGEGAGAGDGADKEQNGCLPPPESESKV

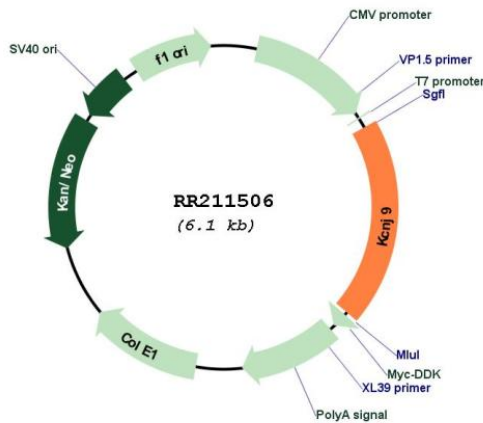
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_053834

<b>ORF Size:</b>	1179 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_053834.1</a> , <a href="#">NP_446286.1</a>
<b>RefSeq Size:</b>	2319 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	116560
<b>UniProt ID:</b>	<a href="#">Q63511</a>
<b>Cytogenetics:</b>	13q24
<b>MW:</b>	44 kDa
<b>Gene Summary:</b>	G-protein activated potassium channel [RGD, Feb 2006]