

## Product datasheet for RN209218

### Kcnj11 (NM\_031358) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnj11 (NM_031358) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnj11
Synonyms:	Kir6.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209218 representing NM_031358 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGTCCCGAAAGGGCATTATCCCTGAGGAATATGTGCTGACCCGGCTGGCAGAGGACCTACAGAGC  
CCAGGTACCGTACTCGGGAGAGGAGGGCCCGCTTCGTGTCCAAGAAAGGCAACTGCAACGTCGCCACAA  
GAACATCCGAGAGCAGGGCCGCTTCTGCAAGATGTGTTACCACGCTGGTGGACCTCAAGTGGCCCCAC  
ACGCTGCTCATTTCACCATGTCCTTCTGTGCAGCTGGCTGCTTTCGCCATGGTCTGGTGGCTCATCG  
CCTTTGCCACGGTGACTTGGCCCCGGAGAGGGCACCAATGTGCCCTGCGTCACAAGCATCCACTCCTT  
TTCGCTGCCTTCTTTTCTCCATCGAGGTCCAGGTGACCATTGGTTTCGGCGGGCGCATGGTGACAGAG  
GAATGTCCCCTGGCCATCCTTATTCTGATCGTGCAGAATATCGTAGGGCTAATGATCAACGCCATCATGC  
TGGGCTGCATCTTCATGAAAACGGCACAGGCCCATCGCGGGCAGAAACCCTCATCTTCAGCAAGCATGC  
CGTGATCACCCCTGCGACATGGCCGCTGTGCTTCATGCTTCGCGTAGGGGACCTCCGAAAAAGCATGATC  
ATTAGCGCCACCATTCATATGCAGGTGGTGCAGAACACCAGCCCGGAGGGCGAGGTTGTGCCTCTCC  
ACCAGGTGGACATCCCCATGGAGAACGGTGTGGTGGTAAACAGCATCTTCTGGTGGCCCCACTCATCAT  
CTACCACGTCACTGACTCCAACAGCCCGCTCTACGACCTGGCTCCTAGTGACCTGCACCACCACAGGAC  
CTGGAGATCATTGTCATCTTGAAGGTGTGGTAGAAACCACAGGCATTACCACCCAGGCCCGCACCTCCT  
ATCTGGCTGACGAGATTCTGTGGGGCAGCGTTTTGTCCCATCGTGGCCGAGGAGGATGGCCGCTATTC  
TGTGGACTACTCAAATTCGGAACACCGTTAAAGTGCCACACCACTCTGCACAGCCCGCCAGCTTGAT  
GAGGACCGCAGCCTGCTGGATGCCCTGACCCTCGCTCGCGAGGGCCCTGCGAAGCGCAGTGTGG  
CTGTGGCAAAGGCCAAGCCCAAGTTTAGCATCTCTCCGGATTCTTGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja1281_e07.zip">https://cdn.origene.com/chromatograms/ja1281_e07.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_031358
<b>Insert Size:</b>	1173 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>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_031358.3</a> , <a href="#">NP_112648.2</a>
<b>RefSeq Size:</b>	3051 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	83535
<b>UniProt ID:</b>	<a href="#">P70673</a>
<b>Cytogenetics:</b>	1q22
<b>Gene Summary:</b>	an ATP-sensitive K+ channel [RGD, Feb 2006]