

## Product datasheet for **MC227504**

### **Kcnj15 (NM\_001271694) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kcnj15 (NM\_001271694) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Kcnj15  
**Synonyms:** 4930414N08Rik; AI182284; AI267127; IRKK; Kir4.2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227504 representing NM\_001271694  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTAGCCAGGTGGGAGAAGGGGAGCGAGGACGCGCCACTTACCCTGCAGAAGATTCTGACCTACAGA  
GTGGTCCAAAGATGGATGCCATTACCTTGGCATGTCCAGTGCCCACTGGTGAAGCATACCAACGGGGT  
TGGACTCAAGGCCACAGACCCCGAGTCATGTCAAAGAGTGGGCACAGTAATGTGAGAATCGATAAGGTA  
GACGGAATCTATTTACTCTACCTCCAGGACTTGTGGACAACCGTCATCGACATGAAGTGGCGATACAAGC  
TCAACCCTATTTGCTGCCACCTTTGTGATGACCTGGTTTCTGTTTGGAGTGGTCTACTATGCCATAGCCTT  
TATTCATGGTGACTTACAACCTGGGGAATCTAATTCCAACCACACACCCTGCATTATGAAAGTGGACTCT  
CTCACAGGAGCATTCTCTTTTCTTGGAACTCAGACAACCAATTGGCTACGGGGTCCGTTCCATCACAG  
AGGAGTGTCCCATGCTATCTTCTCTTAGTCGCCCAACTGGTCATCACCACATTGATTGAGATCTTCAT  
TACGGGGACCTTTCTGGCTAAAATTGCAAGACCCAAAAGCGAGCCGAGACCATTAAGTTCAGCCACTGT  
GCTGTATCAGCAAGCAGAATGGAAAGCTATGCCTGGTCATCCAGGTGGCCAACATGAGGAAGATCTCC  
TGATTCAGTGCCAGCTCTCTGGAAAACCTCTGCAGACACAGTCACCAAAGAGGGAGAACGCATTCTCCT  
CAACCAGGCCACTGTCAAATTCACGTGGACTCCTCTTCCGAGAGTCCCTTCTCATCTGCCCATGACC  
TTCTACCACGTGTTGGATGAGACAAGCCCCCTGCGGGACCTCACACCCCAAAACCTAAAGGAGAAGGAGT  
TTGAGCTGGTGGTACTTCTCAACGCCACGGTGGAGTCTACCAGCGCCGTCTGCCAGAGCCGAACGTCTTA  
CATCCCGGAGGAGATCTACTGGGCTTTGAGTTTGTGCCTGTGGTTTCTCTCTCCAAAAATGGAAAGTAT  
GTGGCTGATTTCAAGTCAATTTGAGCAGATCAGGAAGAGCCCGATTGTACCTTCTACTGTCCGATTCTG  
AGAAGCAGAAGCTTGAAGAACAGTACAGGCAAGAGGACCAGGGAGCGGGAGCTGAGGAGCCTCCTGCT  
ACAGCAGAGCAATGTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001271694
<b>Insert Size:</b>	1209 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><a href="#">NM_001271694.1</a></u> , <u><a href="#">NP_001258623.1</a></u>
<b>RefSeq Size:</b>	5061 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	16516
<b>Cytogenetics:</b>	16 55.86 cM
<b>Gene Summary:</b>	<p>Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (10) differs in the 5' UTR compared to variant 1. Variants 1, 4, 6, 8, and 10 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>