

Product datasheet for **MC201073**

Kcnj15 (BC010794) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnj15 (BC010794) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnj15
Synonyms:	IRKK, Kir4.2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010794
 GGAGAAGCTGGGGAGTCCCTGCCATTCCAAGCCGCCCTGTGCCGGAGCCTGCACTGGGCACTCGGCAGGTA
 AGAAGCTGAAGTGTCTGTCACTGTGGGGCACGCAGCATGCTGGAGATGCTTCTGAGAACTTGACTTCC
 AAAGGCCATAGCAGAGCCCCATGGTAGCCAGGTGGGAGAAGGGGAGCGAGGACGCGCCACTTACCCTGCA
 GAAGATTCTGACCTACAGAGTGAAGTACCACGGGTTGGACTCAAGGCCACAGACCCCGACTGTCAAAGA
 GTGGGCACAGTAATGTGAGAATCGATAAGGTAGACGGAATCTATTTACTCTACCTCCAGGACTTGTGGAC
 AACCGTCATCGACATGAAGTGGGATACAAGCTCACCTATTTGCTGCCACCTTTGTGATGACCTGGTTT
 CTGTTTGGAGTGGTCTACTATGCCATAGCCTTTATTCATGGTGAATTACAACCTGGGGAATCTAATTCCA
 ACCACACACCCTGCATTATGAAAGTGGACTCTCTCACAGGAGCATTCTCTTTTCTTGGAACTCAGAC
 AACCATTTGGCTACGGGTCGGTTCATCACAGAGGAGTGTCCCATGCTATCTTCTCTTGTGCGCCAA
 CTGGTCATCACCACATTGATTGAGATCTTATTACGGGGACCTTTCTGGCTAAAATTGCAAGACCCAAA
 AGCGAGCCGAGACCATTAAGTTCAGCCACTGTGCTGTCATCAGCAAGCAGAATGGAAAGCTATGCCTGGT
 CATCCAGGTGGCCAAACATGAGGAAGAGTCTCCTGATTGAGTCCAGCTCTCTGAAAACTCTGCAGACA
 CACGTCACCAAAGAGGGAGAACGCATTCTCCTCAACCAGGCCACTGTCAAATTCACGTGGACTCCTCTT
 CCGAGAGTCCCTTCTCATCCTGCCATGACCTTCTACCAGTGTGGATGAGACAAGCCCCCTGCGGGA
 CCTCACACCCCAAACCTAAAGGAGAAGGAGTTTGGAGTGGTGGTACTTCTCAACGCCACGGTGGAGTCT
 ACCAGCGCGTCTGCCAGAGCCGAACGCTTACATCCCGAGGAGATCTACTGGGGCTTTGAGTTTGTGC
 CTGTGGTTTCTCTCTCCAAAAATGGAAGTATGTGGCTGATTTCACTCAATTTGAGCAGATCAGGAAGAG
 CCCGGATTGTACTTCTACTGTGCCGATTTGAGAAGCAGAAGCTTGAAGAACAGTACAGGCAAGAGGAC
 CAGAGGGAGCGGGAGCTGAGGAGCCTCTGCTACAGCAGAGCAATGTCTGACTCCACCGGCCTCTGGGCG
 TCTCCTAACAGGGCTCCTTTCAAAGCAATGGCTGCCATGAACGTGGGATGGGTGGCCCCACTACAAA
 TCACACAGACGTTCTGTGGCCATCTCCCTTTGTTCTGATGGCTGAACAAGCATTCTGAATATAAAAAAG
 ATGTCTTCAGAGTGCCTGGTCAGAGGTGAGCACTCAAATTCAGATTTCCCGCCACCCCTAAAATGGAGAG
 ATACATTGAAGAAGTGAAGTGTAGGAAGTGGAGAGAATCCCGCTGGAGGCGAGCCAGCAGTGTGAC
 AGTGGATGGCATGTATGCCTACTCAAGAACATCTGCTCATAATGCAAAATATTTATTTACCCACCTAAACA
 AGGGCATTGGTGGCTGAGGTCTGAGGCGTAATTTGCTATTTGCTCATAGCACTGCTTAAGAAGTCACTCC
 TTCTCATGTTCAAGTGCATACGTTTTTATTTGCAATGACGGTTATCTGGAGATGACAAAAAAAAAAAAAA A

Restriction Sites: RsrII-NotI

ACCN: BC010794

Insert Size: 1128 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: [BC010794](#), [AAH10794](#)

RefSeq Size: 1891 bp

RefSeq ORF: 1128 bp

Locus ID: 16516

Cytogenetics: 16 55.86 cM

Gene Summary: 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]