

Product datasheet for **MC203285**

Kcnj15 (NM_019664) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Kcnj15 (NM_019664) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Kcnj15 |
| Synonyms: | 4930414N08Rik; AI182284; AI267127; 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: >BC057915
 CTGGGGAGTCTTCCATTCCAAGCCGCCCTGTGCCGTGAACAGTAAGACTGGTTCTTCACTTTGAAGAA
 CCCTCAGCACCTACCTTTGCAAGGCACCCTGGATCACTTCCTTGCTGGTCTTAATTTCCACCCACCCA
 GGAGCCTGCACTGGGCACTCGGCAGAAAAGAAAGAGCACAGTGGGTTTCTGAAGTAGTCAGAGAGTGGAA
 CAGTCTGACTGGAGAAACGGCTTTGTTACGGCCCATGGAGAACACTGCTTTCCCAAGTCCCATAGCAGA
 GCCCATGGTAGCCAGGTGGGAGAAGGGGAGCGAGGACGCGCCACTTACCCTGCAGAAGATTCTGACCT
 ACAGAGTGAGTGACCAGGTGGTCCAAGATGGATGCCATTACCTTGGCATGTCCAGTGGCCCACTGGTG
 AAGCATACCAACGGGTTGGACTCAAGGCCACAGACCCCGAGTCATGTCAAAGAGTGGGCACAGTAATG
 TGAGAATCGATAAGGTAGACGGAATCTATTTACTCTACCTCCAGGACTTGTGGACAACCGTCATCGACAT
 GAAGTGGCGATACAAGCTCACCTTATTTGCTGCCACCTTTGTGATGACCTGGTTTCTGTTTGGAGTGGTC
 TACTATGCCATAGCCTTTATTCATGGTGACTTACAACCTGGGGAATCTAATTCCAACCACACACCCTGCA
 TTATGAAAGTGGACTCTCTCACAGGAGCATTCTCTTTTCTTGGAACTCAGACAACCATTGGCTACGG
 GGTCCGTTCCATCACAGAGGAGTGTCCCATGCTATCTTCTTCTAGTCGCCCACTGGTCATCACCACA
 TTGATTGAGATCTTCATTACGGGGACCTTTCTGGCTAAAATTGCAAGACCCAAAAAGCGAGCCGAGACCA
 TTAAGTTCAGCCACTGTGCTGTCTCAGCAAGCAGAATGAAAAGCTATGCCTGGTCATCCAGGTGGCCAA
 CATGAGGAAGAGTCTCCTGATTCAAGTGCAGCTCTCTGAAAACTCCTGCAGACACAGTACCAAAGAG
 GGAGAACGCATTCTCTCAACCAGGCCACTGTCAAATTCACGTGGACTCCTCTTCCGAGAGTCCCTTCC
 TCATCCTGCCATGACCTTCTACACGTGTGGATGAGACAAGCCCCCTGCGGGACCTCACACCCAAAA
 CCTAAAGGAGAAGGAGTTTGGCTGGTGGTACTTCTCAACGCCACGGTGGAGTCTACCAGCGCCGTCTGC
 CAGAGCCGAACGCTTACATCCCGGAGGAGATCTACTGGGGCTTTGAGTTTGTGCTGTGGTTTCTCTCT
 CAAAAATGAAAAGTATGTGGCTGATTTTCAAGTCAATTTGAGCAGATCAGGAAGAGCCCGGATTGTACCT
 TACTGTGCCGATTCTGAGAAGCAGAAGCTTGAAGAACAGTACAGGCAAGAGGACCAGAGGGAGCGGGAG
 CTGAGGAGCCTCCTGCTACAGCAGAGCAATGTCTGACTCCACCCGCTCTGGGCGTCTCCTAACCCAGGC
 TCCTTTCAAAGCAATGGCTGCCATGAACGTGGGATGGTGGCCCACTACCAAATCACACAGACGTTCTG
 TGCCATCTTCCCTTTGTTCTGATGGCTGAACAAGCATTCTGAATATAAAAAGATGTCTTCAGAGTGC
 CTGGTCAGAGGTGAGCACTCAAATTCAGATTTCCCCACCCCTAAAAATGGAGCTATACATTGAAGAACT
 GAGTGTAGGAAGATGGAGAGAATCCCGCTGGAGGGCAGACCCAGCAGTGTGACAGTGGATGGCATGTA
 TGCCTACTCAAGAACATCTGCTCATAATGCAAAATATTTATTTACCCACCTAACAAAGGCATTGGTGGCT
 GAGGTCTGAGGCGTAATTTGCTATTTGCTCATAGCACTGCTTAAGAACTCACTCCTTCTCATGTTCAAGT
 GCATACGTTTTTATTTGCAATGACGGTTATCTGGAGATGACAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019664

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: [BC057915](#), [AAH57915](#)

RefSeq Size: 2017 bp

RefSeq ORF: 1128 bp

Locus ID: 16516

UniProt ID: [O88932](#)

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]

Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region and uses a downstream start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a. Variants 2, 3, 5, 7, 9 and 11 encode the same isoform (b).

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.