

## Product datasheet for MC202419

### Kcns2 (NM\_181317) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kcns2 (NM_181317) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcns2
Synonyms:	E130006J24Rik; Kv9.2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC059833 sequence for NM\_181317  
 ATTTCTTGCCTCTCCCAAATCTCCGCGCCCCCTTCTTGGCCAGCCCTGCCAGTGCCGATCTCAGCTT  
 GGGTCCCCTGTCTGCGGCGAGAGGGCGGGGGCTCTCCTTGGTCTGCTCACAGCAAGGTGTAGCGCC  
 CCCGCGCGGGCGGGCGCCTGGGCATCTCCAGCATGACCCGCCAGAGCCTGTGGGATGTGTCCGATACCG  
 ACGTCGAGGATGGAGAGATCCGCATCAATGTGGGTGGCTTCAAGAGACGGCTGCGTTCCCATACGCTGCT  
 GCGCTTCCCTGAGACACGCTGGGCCGTCTGCTCCTCTGCCACTCGCGAGAGGCCATTCTGGAACCTGTC  
 GATGACTACGATGACGTTACGCTGAGTCTACTTCGACCGTAACCCCGAGCTCTTCCCCTATGTGTTGC  
 ATTTCTACCACACCGCAAGCTTACGTCATGGCTGAGCTGTGCGTCTTCTCCTCAGCCAGGAGATCGA  
 GTACTGGGTATCAATGAGTCTTTCATCGACTCTTGTGCGAGCTATAGCTATCACGGCCGAAAGTGAA  
 CCTGAGCAGGAGAAATGGGACGAGCAGAGTGACCAGGAAAGCACCCTTCTCCTCGATGAGATCTTGG  
 CCTTCTATAATGATGCTTCCAAGTTCGATGGGCAACCCCTGGGCAACTTCCGAGGCAGCTGTGGCTGGC  
 GTTGGACAACCCAGGCTACTCAGTCCTAAGCAGGGTCTTCAAGTGTCTTCCATCTTGGTGGTGTGGGC  
 TCCATCATCACCATGTGCCTCAATAGCCTGCCAGACTTCCAAATCCCTGATAGCCAGGGTAACCCCGGTG  
 AAGACCCAGGTTGAAATGTGGAGCACTTTGGCATTGCTTGGTTCACATTTGAGTTGGTGGCCAGGTT  
 TGCTGTGGCCCTGACTTTCTTAAGTCTTCAAGAATGCTCTAAACCTTATTGATCTCATGTCCATTGTC  
 CCATTTACATAACTCTAGTGGTGAACCTGGTGGTGGAGATTCTCCTACCTTGGCTAATTGGGCAAGG  
 TGGCTCAAGTCTGAGGCTAATGAGGATCTTCCGAATTCTCAAGCTGGCCAGACTCCACTGGCCCTCCG  
 CTCCTTGGGAGCCACCCTGAAGTACAGCTACAAGGAAGTGGGGTGTCTTGTCTACCTCTCAGTGGGG  
 ATTTCCATCTTCTGTGGTGGCCTACACCATTGAAAAGGAGGAGAACGAAGGCCTGGCCACCATCCCTG  
 CCTGTGGTGGTGGCCACTGTGAGTATGACCACAGTTGGGTACGAGATGTGGTCCAGGGACAACAGC  
 TGGGAAGTTGACTGCCTCTGCCTGCATCTTGGCAGGCATCCTGGTGGTGGTCTTGCCCATCACTTTGATC  
 TTCAATAAGTTCTCCATTTCTATCGGCGCCAAAAGCAACTTGAGAGTGCTATGCGCAGCTGTGACTTTG  
 GAGATGGAATGAAAGAGGTCCCTTCGGTCAATTTAAGGGACTACTATGCTCATAAAGTTAAGTCCCTCAT  
 GGCAAGTCTGACAAACATGAGTAGGAGTTCACCTAGTGAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
 GACCCGACTTACATTGCTGATCTGCTGCTTGTGGTCTAGCACAATCAGGGCAATTTTAGGGCTGTGGC  
 ATAAGAAATCATCCCTGCCCTAGAGGGAGAGCTGCATGGGACATAAGCCCTAGATTGCTTTTGAATGTT  
 TAGAGAGGTTTCTTTTTCTTTTGGAGGATGGTGTGCTAATAACATGCCTTTGCACCTCTCAGTGAAGT



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<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>	<u><a href="#">BC059833</a></u> , <u><a href="#">AAH59833</a></u>
<b>RefSeq Size:</b>	4926 bp
<b>RefSeq ORF:</b>	1434 bp
<b>Locus ID:</b>	16539
<b>UniProt ID:</b>	<u><a href="#">O35174</a></u>
<b>Cytogenetics:</b>	15 B3.1
<b>Gene Summary:</b>	<p>Potassium channel subunit that does not form functional channels by itself. Can form functional heterotetrameric channels with KCNB1 and KCNB2; modulates the delayed rectifier voltage-gated potassium channel activation and deactivation rates of KCNB1 and KCNB2 (PubMed:9305895).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>