

Product datasheet for **MC219913**

Kcnd3 (NM_001039347) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnd3 (NM_001039347) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnd3
Synonyms:	AW045978; Kcnd3; Kv4.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219913 representing NM_001039347
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCAGGAGTTGCAGCCTGGCTGCCTTTTGCCCGGCTGCGGCCATTGGATGGATGCCAGTGGCCA
 ACTGCCCCATGCCCTAGCTCCAGCGGACAAGAACAAGCGGCAAGACGAGCTGATCGTCCTCAACGTAAG
 TGGACGACGGTCCAGACCTGGAGGACCACTCTGGAGCGCTATCCCGACACCTTGTGGGTAGCACAGAG
 AAGGAGTCTTCTCAATGAGGACACGAAGGAGTACTTCTTTGACCGTGACCCGGAAGTGTCCGTTGTG
 TGCTTAACTTCTACCGCACCGGGAAGCTGCACTACCCACGCTATGAATGCATCTCTGCCTACGACGATGA
 ACTGGCCTTCTATGGCATCTCCCCGAGATCATCGGAGACTGCTGCTACGAGGAGTACAAAGACCGCAAG
 CGGGAGAATGCGGAGCGGCTCATGGATGACAATGACTCTGAAAACAACCAGGAGTCCATGCCCTCTCTCA
 GCTTCCGTGAGACCATGTGGCGGGCCTTCGAGAACCACACACCAGCACCTGGCACTGGTCTTCTACTA
 TGTGACTGGCTTCTTATTGCCGTCTCGGTCATACCAATGTGGTGGAGACGGTGCCTTGGCGCACCGTG
 CCTGGGAGCAAGGAGCTGCCGTGTGGAGAGCGCTATTCGGTGGCTTTCTTTTGCCTGGCACTGCCTGTG
 TAATGATCTTACAGTGGAGTACCTCCTCCGACTCTTGGCGCACCCAGCAGATACCGCTTCATCCGCAG
 TGTGATGAGCATTATCGACGTTGTGGCCATCATGCCCTATTACATTGGCCTGGTTCATGACCAACAATGAG
 GACGTGTCTGGGGCATTGTGCACACTCCGGGTCTTCCGTGTCTTCCAGGATCTTCAAGTCTCCCGACATT
 CCCAGGGTCTACGGATCCTGGGTACACCCTGAAGAGCTGTGCCTCAGAAGTGGGCTTCTTCTCTTCTC
 CCTTACCATGGCCATCATCATCTTGGCACTGTGATGTTTTATGCTGAGAAGGGCTCCTCTGCCAGCAAG
 TTCACAAGCATCCCTGCATCTTCTGGTACACCATAGTCACCATGACTACACTGGGATATGGAGACATGG
 TGCTAAGACAATCGCAGGGAAGATATTTGGCTCCATCTGCTCCCTCAGCGGTGTCTGGTATTGCCCT
 GCCGGTCCCTGTGATAGTCTCCAACCTTTAGCAGGATCTACCACCAGAATCAGAGAGCAGATAAACGCAGG
 GCACAAAAGAAGGCCCGCTTGGCAGGATCCGGGTGGCCAAAACGGGAAGCTCCAATGCCTACCTGCACA
 GCAAGCGCAATGGGCTCCTCAATGAGGCCCTGGAGCTGACGGGCACCCAGAAAGAGGAGCAGATGGGCAA
 GACCACCTCACTCATCGAGAGCCAGCACCACCCTGCTACACTGCTTAGAAAAGACCACTAACCATGAG
 TTTATTGATGAGCAGATGTTTGGAGCAACTGCATGGAGAGCTCGATGCAGAACTACCCCTCCACCAGAA
 GTCCTTCTGTCCAGCCACTCGGGCTCACCACCCTGCTGCTCCCGTGTAGCAAGAAGACCACACA
 CCTGCCAACTTAACCTGCCTGCCACCCGCTGCGCAGCATGCAGGAGCTCAGCAGCTCCACATCCAG
 GGCAGCGAGCAGCCCTCCCTCACCACAGTCCGCTCCAGCCTTAATTTGAAAGCAGACGATGGACTGAGAC
 CAAACTGCAAAACATCCCAGATTACCACGGCCATCATCAGCATCCCCACCCCCAGCTCTGACCCCGGA
 GGGAGAAAGTCGGCCACCCCTGCCAGCCAGGCCCAACACGAACATTCCTTCCATAACCAGCAATGTC
 GTC AAGTCTCTGCCTTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001039347

Insert Size: 1911 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:	<ol style="list-style-type: none">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:	<u>NM_001039347.1</u> , <u>NP_001034436.1</u>
RefSeq Size:	7182 bp
RefSeq ORF:	1911 bp
Locus ID:	56543
UniProt ID:	<u>Q9Z0V1</u>
Cytogenetics:	3 F2.2
Gene Summary:	<p>Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) is the longer transcript and it encodes the longer protein (isoform 1).</p>