

Product datasheet for **MC204104**

Kcne2 (NM_134110) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcne2 (NM_134110) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcne2
Synonyms: 2200002I16Rik; AW048273; MiRP1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC022699
GGATCACACAGTGTTCAGAGAGATGGTGGTAGCTGTGCAGAGAGTGTGGGGATGGCAATGAGAGGCAGA
TTGAACGCAAGGGGAAGCATGGCCACATTAGCCAATTTGACCCAGACACTGGAGATGCCTTCAAAAAG
ATTTTTATTACTTATATGGACAGCTGGAGAGGAACACGACAGCCGAGGAGCAGGCACTCCAGGCCAGAG
TGGATGCCGAGAACTTCTACTACGTCATCCTGTACCTCATGGTATGATCGGCATGTTCTCGTTCATCGT
GGTGGCCATCCTGGTGGACCGGTGAAGTCGAAGCGGCGAGAGCACTCCCAGCACCCGTACCACCAGTAC
ATCGTGGAAAGATTGGCAGGAAAAGTACAAAAGTCAGATCCTGCATCTGGAAGACTCCAAGGCCACCATCC
ATGAGAACATGGGGGCGACGGGTTTACAGTGTACCCTGATTGATAAGGAATGGGGGCCGTCTGGCTC
AGACAGGGTGCTTCTGCTGCCTCGAGAGCCCCACTTGTGCTTGTCTCAGAAGACAGCTAGTTCCTCTGTGC
AGCCTGGCTGGCAGTTGACACAGTGACATTTCTATCTCAGTGGTTTAGGTGAGCCTGTTGGGGTGATACT
TTATGCTAAGGATCTCTTTTTTTCACATGTTATGCAATGTAAGTGTATTTTTAAACAATTTCAATCATGAG
AACAGAGGCAAACATGAAGCAAGGGGACGGGCGAGGAGCAGTGGGAATAAATAGGAAATAGAAAAGCAGAG
ATTTACAAAGTTTTCAACCTTCTTCTCATGAAATATTAGTTTGGATGTAGCAGATTGAGTTTATGAGTA
AGTCGCACGTGTTTCAAGAGCTGGGGTTTAAATCTCTCTCGGGCTTGTGAACTGACAGGAGAGCATTAC
TTACCGCTTTATGTATGGGCAGCGAGCCCGAGGTGGTCAATGGAGCGAAGTGCAGGTTATTTTGCATTCA
TAGCTTTCCTGGTATTTAACTGAGTTGGACATCTGGACAGAACAAACACTGAAAGGACAAATAACCCGCA
CCAGAAGCAGCAAATATTCAAGAGCCCCAGTGAACCAACGCCTTCTAACTTTTTATAGAACTTAA
ACTCTAAAAGCTCTCTGGCTTAAAAAGTATGGCATTTTTTCTAAACATCATATCTTTATTTAATTTT
AGATCCGCTTTATAGCTTATTTTACACATATTTGACAAGATGGAAGCTACAGAACACCCCACTAGATGT
TTGATGCAAGCTAGACAGTGACTTAACTTAACTCTTTGCACACAGTCAGGGTGTGGAGAGATGTTGGTCA
AAGGCTACAAATTTAATGGGGTGGGGATGTACACCCATAATCCAACCTCAGGGGACTGAGGTGGGAC
AGGCTAGCTGAGGTTCCAAGCCATTCTAGACCCATTGCACTGCAAGGTGAGTAAACATGCCTTTTGGTCTT
AAAACTGATACCTGAGAGGATAGTAAGTATCCTTACCACAAAACAGTAGCTATGTGAGATGATACATTA
GTCATTCCACAATGTGTATATGCTTCAAAAACCATGTTGTGTGTGTAATACAATGTAACCTGTCCTTAA
GAAAATAAATGAATATTTTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_134110
Insert Size:	372 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:	BC022699 , AAH22699
RefSeq Size:	1664 bp
RefSeq ORF:	372 bp
Locus ID:	246133
UniProt ID:	Q9D808
Cytogenetics:	16 C4
Gene Summary:	<p>Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of the channel complex. Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1. Associated with KCNH2/HERG is proposed to form the rapidly activating component of the delayed rectifying potassium current in heart (IKr). May associate with KCNQ2 and/or KCNQ3 and modulate the native M-type current. May associate with HCN1 and HCN2 and increase potassium current (By similarity). Interacts with KCNQ1; forms a heterooligomer complex leading to currents with an apparently instantaneous activation, a rapid deactivation process and a linear current-voltage relationship and decreases the amplitude of the outward current (By similarity).</p> <p>[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>