

Product datasheet for **RN212956**

Kcnc1 (NM_012856) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnc1 (NM_012856) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnc1
Synonyms:	KShIIIB; Kv3.1; Kv4; NGK2-KV4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212956 representing NM_012856
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCCAAGGGGACGAGAGCGAGCGCATCGTGATCAACGTGGGCGGCACGCGCCACCAGACGTACCGCT
 CGACGCTGCGCACGCTGCCCGCACGCGCTTGCTGGCTGGCGGAGCCGGACGCCACAGCCACTTCGA
 CTATGACCCGCGCGCTGACGAGTTCTTCTTCGACCGCCACCCGGGCGTCTTCGCTCACATCCTGAACTAT
 TACCGCACCGGAAGCTACACTGCCCGCCGACGTGTGCGGGCCGCTCTACGAGGAGGAGCTGGCCTTCT
 GGGGCTCGACGAGACGAGCGTGGAGCCCTGCTGCTGGATGACGTATCGCCAGCACCGCGACGCTGAGGA
 GCGCTGGACAGCTTTGGTGGCGCGCCCTTGACAACAGCGCCGACGACGCGGACGCCGACGCCCGCCGCG
 GACTCGGGCGACGGCAGGACGAGCTGGAGATGACCAAGAGATTGGCGCTCAGTACTCCCAGATGGCC
 GGCTGGCGGCTTCTGGCGCCGCTGGCAGCCACGCATCTGGGCACTGTTGAGGACCCCTACTCATCCCG
 CTATGCGCGGTACGTGGCCTTTGCTCCCTCTTCTTCATCCTGGTCTCCATCACAACTTCTGTCTGGAG
 ACCCAGAGCGCTTCAACCCCATCGTGAACAAGACAGAAATTGAGAACGTTGAAATGGCACACAAGTGC
 GGTAATACCGGAAGCGGAGACGGAGGCCCTTCCACCTACATCGAGGGTGTCTGCGTGGTCTGGTTTAC
 CTTGAGTTTCTCATGCGTGTGCTTCTGTCCCAACAAGGTGGAGTTTCAAGAACTCCCTCAATATC
 ATTGACTTCGTGGCCATCCTCCCTTCTACCTGGAGGTGGGCCTAAGTGGCCTGTCTCCAAAGCTGCCA
 AGGACGTGCTAGGCTTCTGCGCGTCTGCGCTTCGTGCGCATCCTCCGTATCTTCAAGCTGACCCGCCA
 TTTTGTGGGCTGCGGGTCTGGGCCACAGCTCCGTGCCAGCACCAACGAGTTCCTGCTGCTTATCATC
 TTCTGGCCCTGGGTGTGCTCATCTTTGCCACCATGATCTACTATGCTGAGAGGATAGGGGCACAGCCCA
 ATGACCCAGCGCCAGCGAACAACACACACTTTAAAAATATCCCATCGGCTTCTGGTGGGCTGTGGTCAC
 CATGACGACACTGGGCTATGGAGACATGTATCCTCAGACGTGGTCTGGGATGTTGGTGGGAGCACTGTGC
 GCCCTGGCTGGTGTGCTGACCATTGCCATGCCGTGCCGTCATCGTGAACAATTTGGGATGTAATACT
 CTTTAGCCATGGCTAAGCAGAACTACCAAGAAAAAAGAAAGCATATTCGCGGCCACCACAGCTGGG
 ATCTCCCAATTATTGTAATCTGTCGTAAGTCTCCACACCACAGTACTCAGAGTGACACATGTCGCGTG
 GCCCAGGAAGAAATTTAGAAATTAACAGAGCAGATTCCAAAGTGAATGGGGAGGTGGCGAAGGCCGCGC
 TGGCGAACGAAGACTGCCCCACATAGACCAGGCCCTCACTCCCGATGAGGGCTGCCCTTACCCGCTC
 GGGCACCCGCGAGAGATACGGACCCTGTTCTTATCAACCGGGAGTACGCGTCCCGCCTGGTGGG
 GGAATGAGAAAGGATCTTTGCAAGAAAGCCCTGTCATTGCTAAGTATATGCCGACAGAGCTGTGAGAG
 TGACTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_012856
- Insert Size:** 1758 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: [NM_012856.1](#), [NP_036988.1](#)

RefSeq Size: 3977 bp

RefSeq ORF: 1758 bp

Locus ID: 25327

UniProt ID: [P25122](#)

Cytogenetics: 1q22

Gene Summary: voltage gated potassium channel; functions as a delayed rectifier K⁺ channel [RGD, Feb 2006]