

Product datasheet for **RN215407**

Kcnn1 (NM_019313) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnn1 (NM_019313) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnn1
Synonyms:	KCa2.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215407 representing NM_019313
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTAGCCGACGCCACAATGGCAGTGTGGGGCGCCCTCTGGGCAGTGGCCTGGATTCTGGGCTGGG
 AACCTGTGGACCCCGAGGCAGGCCGCCCGACAGCCACCCAAGGCCCGCCCTGCAGATGATGGCCAA
 GGGTCAGCCTGTGGGCTGTACCCAGTGGCCCGAGGGCCACTCCAGGCGCAGGAGGAGGAAGAGGAA
 GAGGAAGACGAGGACAGGCCAGGCTCAGGGAAGCCCCGACCGTCAGTCACCGCCTGGGCCACCGTAGGG
 CCCTCTTCGAGAAGCGTAAACGACTCAGTACTATGCACTCATCTTTGGCATGTTGCGGATTGTCGTCAT
 GGTGACAGAAACAGAGCTGTCTGGGGTGTGTACACCAAGGAGTCTCTGTGCTCATTGCGCCTGAAATGC
 CTAATCAGCCTCTCCACTGTCATCTGCTTGGCCTTGTACCTCTACCACGCCGAGAGATCCAGCTGT
 TCCTGGTGGACAATGGTCCGATGACTGGCGCATTGCCATGACGTGGGAGCGAGTGTCCCTGATCTCGCT
 GGAGTTGGCTGTGTGCCATCCACCCAGTGCCTGGCCACTACCGCTTACATGGACGGCGCGGCTGGCC
 TTCTCCCTGGTGGCGTACGACGCCGAGGCGGATGTGGATGTGCTTCTGTCCATCCCCATGTTTCTGCGCC
 TCTATCTGCTGGCTCGGGTCATGCTCCTGCACAGCCGCATCTTACGGACGCATCCAGTCGACGATCGG
 AGCCCTGAACCGTGTACCTTCAACACACGCTTTGTACCAAGACTCATGACCATCTGCCCTGGCACC
 GTGCTGTTGGTCTCAGCATCTCCTCCTGGATCGTCGCTGCATGGACAGTGCAGCTGTGTGAGAGGTACC
 ATGATAAACAGGAAGTGACCAGCAACTTCTGGGGCCATGTGGCTCATCTCCATTACCTTCTGTCCAT
 CGGCTACGGGGACATGGTGCCGACACCTACTGTGGGAAGGGCGTGTGTCTGCTCACCGGCATCATGGGA
 GCAGGCTGCACTGCACTCGTGGTGGCCGTCGTGGCCCGGAAGTTGGAAGTCAACCAAGGCTGAGAAACAG
 TGCACAACCTTATGATGGACACACAGCTCACCAAGCGGGTTAAAAACGCCGCTGCAACACGTTCTCAGGGA
 GACATGGCTCATCTACAAACACACACAGGCTAGTGAAGAAGCCAGACCAAAAGCCGGTTTCGGAAACACAG
 CGTAAGTTCCTTACAGCCATCCATCAGGCGCAGAAGCTCCGGACTGTGAAGATTGAACAAGGGAAGGTGA
 ATGATCAGGCCAACACGCTGGCTGACCTGGCCAAGGCACAGAGCATCGCATATGAGGTGGTGTGCGGAGCT
 GCAGGCCACGAGGAGGAGTTGGAGGCCGCTGGCTGCCCTGGAGAGCCGCTGGATGTCTAGGCGCC
 TCCCTGCAGGCCCTACCAAGTCTCATAGCCCAAGCCATATGCCCTCTACCACCACCTGGCCCGGCCCA
 GTCACCTGACCACAGCCGCCAGAGCCCAAAAGCCACTGGCTGCCACCACGGCATCAGACTGTGGGTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019313

Insert Size: 1611 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_019313.1](#), [NP_062186.1](#)

RefSeq Size: 1611 bp

RefSeq ORF: 1611 bp

Locus ID: 54261

UniProt ID: [P70606](#)

Cytogenetics: 16p14

Gene Summary: voltage independent potassium channel; activated by intracellular calcium [RGD, Feb 2006]