

Product datasheet for **RN216807**

Kcnf1 (NM_001169104) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnf1 (NM_001169104) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnf1
Synonyms:	Kh1; Kv5.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN216807 representing NM_001169104
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAACCGGGCTTGAAGCGAACCCACCAGGAGCATGGACGCATCTGCGGAGCAAAGCCTCCCAGAGC
 CAGGCAGCCAGGACTCTGTGGCAGGCGATGACATTGAGATCGTGGTAAATGTGGGGGGCGTGCGGCAGGT
 GCTCTATGGAGACCTGCTCAGCCAGTATCCCGAGACGCGGCTGGCAGAGCTCATCAACTGCTTGGCGGGG
 GGCTACGACACCATCTTCTCTGTGCGATGATTACGACCCAGGCAAGCGCAATTCTACTTTGATCGGG
 ACCCGGACGCGTTCAAGTGTGCATTGAAGTACTATTTTCGGTGAGGTCCACATGAAGAAAGGCATCTG
 CCCTATCTGCTTCAAGAACGAGATGGACTTCTGGAAGGTGGACCTCAAATTCCTGGATGACTGTTGCAAG
 AGCCATCTGAGTGAGAAGCGCGAGGAAGTGGAGGAAATCGCGCGCAGGGTGCAGCTCATCTTGGACGACC
 TGGGTGTAGACGCTGCCGAGGGCCGCTGGCGCCGCTGCCAGAAGTGTGTCTGGAAGTTCCTGGAGAAGCC
 GGAGTCTTCGTGCCAGCGCGGGTGGTGGCAGTTCTATCCTTTTTGCTCATCCTTGTCTCCTCCGTGGTC
 ATGTGCATGGGCACCATACCTGAGCTGCAAGTGGTGGACTCTGAAGGCAACCGCTAGAGCACCCGACGC
 TGGAGAACGTGGAGACTGCTTGCATCGGCTGGTCACTCTGGAGTACCTGCTGCGCCTCTTCTCATCGCC
 CAACAAGCTGCACTTTGCCCTGTCTTCATGAACATTGTGGATGTGCTGGCCATTCTCCCCTTCTATGTG
 AGCCTCACACTCACGCATCTGGGTGCAAGAATGATGGAAGTACCAACGTGCAGCAGGCTGTGCAGGCC
 TAAGGATCATGCGCATCGCACGCATCTCAAGTAGCCCGCCACTCCTCAGGCCTGCAGACCCCTCACCTA
 CGCTCTCAAGCGCAGTTTCAAGGAAGTGGGCTATTGCTTATGTACCTGGCCGTGGGCATCTTCGCTTC
 TCCGCACTAGGCTACACCATGGAGCAGAGCCACCCTGAAACTCTGTTCAAGAGCATCCCCAGTCTTCT
 GGTGGGCTATCATCACCATGACCACAGTGGGCTATGGCGACATCTACCCCAAGACCACCTTGGGCAAGCT
 CAACGCGGCCATCAGCTTCTTGTGGGGTAATTGCCATTGCCTTGCCCATCACCCATCATTAAACAAC
 TTTGTCAGGTAATAACAACAACGTGTCTGGAGACGGCAGCAAGCATGAGCTGGAGCTGATGGAGC
 TCAACTCCAGCAGCGCAGAAAGCAAGCCGGGGCTCTCGCAGCGACCTGGACACCCTGCCCCAGAGCC
 TGCTGCCAGGGAGGGCCAAGTTGGGGTAGCCGGCTGAAGCTCTCACACAGCGATACCTTATTCCCTG
 CTGACAGAGGAGAAGCATCATAGGACCCGGCTACAGAGCTGCAAGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001169104

Insert Size: 1518 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001169104.1](#), [NP_001162575.1](#)

RefSeq Size: 2679 bp

RefSeq ORF: 1518 bp

Locus ID: 298908

Cytogenetics: 6q16

Gene Summary: putative K⁺ channel [RGD, Feb 2006]