

Product datasheet for **RN213732**

Kcns1 (NM_053954) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcns1 (NM_053954) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcns1
Synonyms:	Kv9.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213732 representing NM_053954
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGT**GAGCGAGTTTCCGGTCCGGCTCTCGGGTCCCCTGGCGCCAAGGGACGAGGCGTGC**CGGTGA
 ACGTGGGCGGAGTGC**GGCGGCTGCTGAGCGCGCGCCCTCGCGGATTCCCGGGCACGCGCTGGGCCG**
 CCTACAGCGCGCGGTGTCCGAGGAGCAGCGCGCGCCTATGCGACGACTACGACGCGCGCGCGCGAG
 TTCTACTTCGATCGGCACCCGGCTTCTTCTCGGCTGCTGCACTTCTACCGCACCGGGCACTTGCATG
 TGCTGGACGAGCTGTGCGTCTTCGCTTTCGGCCAGGAGGCTGACTATTGGGGCTGGGCGAGAACGCTCT
 GGCCACGTGCTGCCGCGCGCTACCTGGAGCGCGTGTGACGCGGCTCGCGCTGGGACGAGGACAGC
 GATGCCCCGAGCAGCGTGGACCCGTGTCCGACGAGATCTCCGACGTGCAGCGGAGCTGGCGCGTATG
 GTGGGCCCGCTGTGGTGCCTGCGCCGCTCGCTTGGCTCACCATGGAGAACCCTGGCTACTCGCTGCC
 CAGCAAGCTTTCAGCTCGTGTCCATCGGCGTGGTGTGCTGCCTCCATCGCTGCCATGTGCATCCACAGC
 CTGCCCGAGTACCAAGCCCGGGAGGCAGCGCGCGGTGGCTGCAGTGGCCGCGGGTGCAGCGCAGAGG
 ACGTGC**CGCAGCACCCGGTGTGCTGCGCCGCTGGAGTACTTCTGCATCGCCTGGTTCAGCTTCGAGGTGTC**
 GTCGCGCTGCTGCTGGCTCCCAGCACGCGCAACTTCTTCTGCCATCCGCTCAACCTCATCGACATCGTG
 TCGGTGCTGCCCTTCTATCTCACACTGCTGGCCGGCGCGGCTTGGTGACCGCGCGGAGCCAGCGGGG
 AGGAGCTCGGAGACCTAGGAAAGGTGGTACAAGTGTTCGCCTCATGCGCATCTTCCGCGTGTCAAGCT
 GGCCCGCACTCTACCGGCTGCGCTCTCTGGCGCCACGCTCAAGCACAGCTACCGTGAGGTGGGCATC
 TTA**CTGCTGTACCTGGCGTGGGTGTGTCAGTGTCTCTGGCGTGGCCTACACAGCCGAAGAAAAGAACG**
 TGGGCTTCGACACGATCCCCGCTGCTGGTGGTGGGGCACCGTGAGCATGACCACAGTGGCTATGGGGA
 TGTGGTCCCGGAGACTGTGGCAGGCAAGCTGGCAGCCTCTGGCTGCATCCTGGGGGCATCCTGGTGGTC
 GCCCTCCCATCACCATCATCTTCAACAAGTTTTCCCACTTTTACCGCGCCAGAAGGCACTGGAGCGG
 CCGTGCGGAGCAGCGCCAGCGGAGTTTGAGGACTTGCTGAGCAGTGTGGATGGCGTATCAGACGTGTC
 TCTGAAACATCCAGAGAGACTTCTCAGGAAGGGCGCTCCACAGACCTGGAGACCAAGCCCCAGTGAG
 CCTGCAAATCTCACAGTTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_053954
- Insert Size:** 1494 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_053954.1](#), [NP_446406.1](#)

RefSeq Size: 2720 bp

RefSeq ORF: 1494 bp

Locus ID: 117023

UniProt ID: [O88758](#)

Cytogenetics: 3q42

Gene Summary: potassium channel alpha-subunit [RGD, Feb 2006]