

Product datasheet for **RN207523**

Kcns3 (NM_031778) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcns3 (NM_031778) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcns3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207523 representing NM_031778
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGTTTGGTGTAGTTTTTCCATCGCCCTGGACAAGATGAGAACTTGTCAACTTGAACGTGGGGGTT
TTAAACAGTCTGTGGATCAGAGTACACTCCTGCGGTTCCCCACACACGACTGGGAAGCTGCTTACCTG
CCTACTGAGGAGCCATTCTGGAGCTGTGTGATGACTACAGCGTGGCAGATAAAGAGTACTACTTCGAT
CGGAACCCCTCCCTGTTCCAGATACGTTTTGAACTTTTATTACACAGGGAAGCTGCACGTCATGGAGGAAC
TGTGTGCTTCTCCTTTGCCAGGAGATTGAGTACTGGGGCATCAACGAGCTCTTCATTGACTCCTGCTG
TAGCAGTCGGTACCAGGAGCGCAAGGAGGAGAGCCACGAGAAGGACTGGGACCAGAAAAGCAATGATGTG
AGCACAGACTCCTCCTTTGAGGAATCGTCTCTGTTTGAGAAAGAGCTGGAGAAGTTTGATGAGCTGAGAT
TTGGTCAGCTCCGAAAGAAGATCTGGATCCGAATGGAAAACCCAGCTTATTGCCTGTCAGCCAAGCTCAT
CGCCATCTCCTCCTTGTAGTGTGGTGTGGCTTCCATCGTGCCATGTGTGTACACAGCATGTCAGAATTC
CAGAACGAGGATGGAGAAGTGGATGACCTGTGCTGGAAGGTGTGGAGATTGCCTGCATTGCATGGTTCA
CCGGTGAGCTGGCCATCCGGCTGGTTGGTGTCTCCATCACAAAAGAAGTTCTGGAAAAACCCCTCTGAACAT
CATTGACTTTGTCTCCATCATTCCCTTCTATGCCACGTTGGCTGTGGACCAAGGAAGAAGAGAGTGAG
GACATTGAGAACATGGGCAAGGTGGTCCAGATCCTCCGGCTCATGAGGATTTTCCGCATCCTGAAGCTCG
CCCGGCATTCCGTAGGGCTTCGTTCTCTGGGGCCACGCTGAGGCACAGTTACCACGAAGTGGGGCTACT
GCTTCTCTCCTCTGTGGGTATCTCCATTTCTCTGTGCTTATTTACTCTGTGGAGAAAGATGAACCTC
GCGTCCAGTCTCACTAGCATCCCATCTGCTGGTGGTGGGCCACTATCAGTATGACCACAGTGGGCTATG
GAGACCCACCCAGTCACCTTAGCTGGGAAAATCATTGCGAGCACCTGCATTATCTGTGGCATCTTAGT
GGTAGCCCTTCCCATCACCATCATCTTCAACAAGTTTTCCAAGTACTACCAGAAGCAGAAGGACATGGAT
GTGGACAGTGCAGCGAGGACCCACCGGAGAAGTCCACGAGCTACCTTACTTTAACATTAGGGACGTTT
ATGCACAGCAAGTACACGCCTTCATCACCAGTCTGTCTTCCATTGGCATCGTGGTCCAGCGATCCTGACTC
CACAGATGCCTCAAGTGTGAAGACAACGAGGATGCTTACAACACCGCATCCCTGGAGAAGTGTACTGCA
AAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031778

Insert Size: 1476 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_031778.2](#), [NP_113966.2](#)

RefSeq Size: 2370 bp

RefSeq ORF: 1476 bp

Locus ID: 83588

UniProt ID: [O88759](#)

Cytogenetics: 6q15

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