

Product datasheet for **RR207523**

Kcns3 (NM_031778) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR207523 representing NM_031778
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTTTGGTGTAGTTTTTCCATCGCCCTGGACAAGATGAGAACTTGTCAACTTGAACGTGGGGGTT
 TTAACAGTCTGTGGATCAGAGTACACTCTCGGTTCCCCACACACGACTGGGAAGCTGCTTACCTG
 CCACTCTGAGGAGCCATTCTGGAGCTGTGTGATGACTACAGCGTGGCAGATAAAGAGTACTACTTCGAT
 CGGAACCCCTCCCTGTTCCAGATACGTTTTGAACTTTTATTACACAGGGAAGCTGCACGTCATGGAGAAC
 TGTGTGCTTCTCCTTTGCCAGGAGATTGAGTACTGGGGCATCAACGAGCTCTTCATTGACTCCTGCTG
 TAGCAGTCGGTACCAGGAGCGCAAGGAGGAGGCCACGAGAAGGACTGGGACCAGAAAAGCAATGATGTG
 AGCACAGACTCCTCCTTTGAGGAATCGTCTCTGTTTGAGAAAGAGCTGGAGAAGTTGATGAGCTGAGAT
 TTGGTCAGCTCCGAAAGAAGATCTGGATCCGAATGGAAAACCCAGCTTATTGCCTGTCAGCCAAGCTCAT
 CGCCATCTCCTCCTTGTAGTGTGGTGTGGCTTCCATCGTGCCATGTGTGTACACAGCATGTCAGAATTC
 CAGAACGAGGATGGAGAAGTGGATGACCCTGTGCTGGAAGGTGTGGAGATTGCCTGCATTGCATGGTTCA
 CCGGTGAGCTGGCCATCCGGCTGGTTGCTGCTCCATCACAAAAGAAGTTCTGAAAAACCCCTCTGAACAT
 CATTGACTTTGTCTCCATCATTCCCTTCTATGCCACGTTGGCTGTGGACCAAGGAAGAAGAGAGTGAG
 GACATTGAGAACATGGGCAAGGTGGTCCAGATCCTCCGGCTCATGAGGATTTTCCGCATCCTGAAGCTCG
 CCCGGCATTCCGTAGGGCTTCGTTCTCTGGGGCCACGCTGAGGCACAGTTACCACGAAGTGGGGCTACT
 GCTTCTCTCCTCTGTGGGTATCTCCATTTCTCTGTGCTTATTTACTCTGTGGAGAAAGATGAACCT
 GCGTCCAGTCTCACTAGCATCCCCATCTGCTGGTGGTGGCCACTATCAGTATGACCACAGTGGGCTATG
 GAGACCCACCCAGTCACCTTAGCTGGAAAAATCATTGCGAGCACCTGCATTATCTGTGGCATCTTAGT
 GGTAGCCCTTCCCATCACCATCATCTTCAACAAGTTTTCCAAGTACTACCAGAAGCAGAAGGACATGGAT
 GTGGACCAAGTGCAGCGAGGACCCACCGGAGAAGTCCACGAGCTACCTTACTTTAACATTAGGGACGTTT
 ATGCACAGCAAGTACACGCCTTATCACCAGTCTGTCTTCCATTGGCATCGTGGTCCAGCGATCCTGACTC
 CACAGATGCCTCAAGTGTGAAGACAACGAGGATGCTTACAACCCGCATCCCTGGAGAAGTGTACTGCA
 AAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207523 representing NM_031778
 Red=Cloning site Green=Tags(s)

MVFGEFFHRPGQDEELVNLNVGGFKQSVQSTLLRFPHTRLGKLLTCHSEEAILELCDDYSVADKEYYFD
 RNPSLFRYVLFNYTGLHVMEEELCVSFCQEIIEYWGINELFIDSCSSRYQERKEESHEKDWDQKSNQV
 STDSSFEESLFEKELEKFDLRFGLRKKIWRMENPAYCLSAKLIAISSLSVVLASIVAMCVHSMSEF
 QNEDGEVDDPVLEGVEIACIAWFTGELAIRLVAAPSQKKFWKNPLNIIDFVSIIPFYATLAVDTKEESEE
 DIENMGKVQVILRLMRIFRILKLARHSVGLRSLGATLRHSYHEVGLLLFLSVGISIFSVLIIYSVEKDEL
 ASSLTSIPICWWWATISMTTVGYGDTHPVTLAGKIIASTCIIICGILVVALPITIIIFNKFVSKYYQKQKDM
 VDQCSDEPPKCHELPYFNIRDVYAQQVHAFITSLSSIGIVVSDPDSTDASSVEDNEDAYNTASLENCTA
 K

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_031778

ORF Size: 1473 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

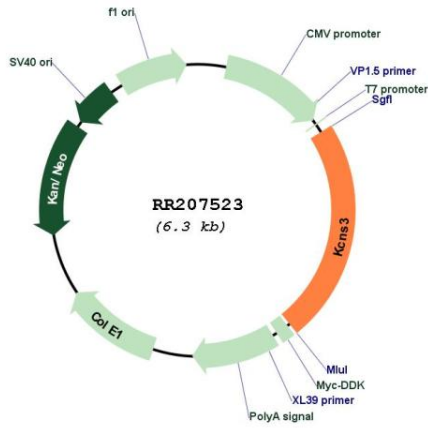
UniProt ID: [O88759](#)

Cytogenetics: 6q15

MW: 55.9 kDa

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

Product images:



Circular map for RR207523