

Product datasheet for **RR213524**

Kcnk9 (NM_053405) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnk9 (NM_053405) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kcnk9
Synonyms: Task-3; Task3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213524 representing NM_053405
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGCGGCAGAACGTGCGTACCCTGTCCTTGATCGCCTGTACCTTACCTACCTGCTGGTGGGTGCCG
CGGTGTCGACGCCCTCGAGTCGACCATGAGATGCGCGAGGAGAGAACTTAAAGCAGAAGAGGTCCG
CCTCAGAGGCAAGTACAACATCAGCTCCGATGACTACCAGCAGCTGGAGCTGGTAATCCTGCAGTCTGAG
CCCCACCGCGCTGGTGTCCAGTGAAGTTCGCCGGTCTTCTACTTCGCTATCACTGTCATCACAACTA
TCGGATATGGACATGCTGCACCTGGAACCGATGCTGGCAAGGCCTTCTGTATGTTCTATGCTGTGCTGGG
TATCCCTCTGACGCTGGTTATGTTCCAGAGCCTGGGCGAGCGCATGAACACCTTCGTGCGCTACCTGCTG
AAACGGATCAAGAAGTGCTGTGGCATGCGCAACACTGAAGTTTCTATGGAGAACATGGTGACCGTCGGCT
TCTTTTCTTGATGGCACCCCTGTGCCTTGGGGCGGCTGCCTTTTCCAGTGCGAAGATTGGAGCTTCTT
CCACGCTTACTACTACTGCTTCACTACTGACTACTATAGGGTTCGGCGACTTGTGGCCCTGCAATCC
AAGGGTGCCCTGCAGAGGAAGCCATTCTACGTGGCCTTCAGCTTCATGTATATCCTGGTGGGCTGACCG
TCATCGGTGCCTTCTCAATCTTGTGGTCTGCGATTCCCTGACCATGAATACCGATGAAGATCTTCTGGA
GGGAGAAGTTGCGCAGATACTTGTGAAACCCAAGACGGGTGGTTGTCCGTGTGCCTCAGAGTCGCAAG
AGGCACCACCCCATGTACTTCTCAGGAAATACGGCCGAACCCTGTGCTATCTCTGCTTCCCTGGTGCCA
ACTGGGGTGATGATGATGACGATGATGATGACGCCGTCGAGAATGTCGTAGTTACTACTCTGTTCTCTCC
TGCTGTTGCTGCTGCTGCTGCTGCTACTCCTGGTCCCAGTACCAGGAATGTCCGGGCTACAGTCCAC
TCGGTTTCTGCAGGGTTGAAGAGATCCCTCCGGACGTGCTGAGGAACACCTACTTCCGGTCCCCATTTCG
GCGCCATCCCTCGAATGCACACCTGCGGGGAAAACACAGGCTGCACATCCGTGCAAGTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MKRQNVRTL SLIACTFTYLLVGAAVFDALESDHEMREEEKLKAEVRLRGKYNISSDDYQQLLEVLQSE
 PHRAGVQWKFAGSFYFAITVITTIYGYGHAAPGTDAGKAFCMFYAVLGIPLTLVMFQSLGERMNTFVRYLL
 KRIKCCGMRNTEVSMENMVTVGFFSCMGTLCLGAAAFSQCEDWSFFHAYYYCFITLTTIGGDFVALQS
 KGALQRKPFYVAFSFMYLVLGLTVIGAFNLVLRFLTMNTDEDLLEGEVAQILAGNPRRVVVRVPQSRK
 RHHPMYFLRKYGRTLCYLCFPGANWGDDDDDDDAVENVVVTPVPPAVAAAAAATPGPSTRNVRATVH
 SVSCRVEEIPDVLRNTYFRSPFGAIPPMHTCGENHRLHIRRKS I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

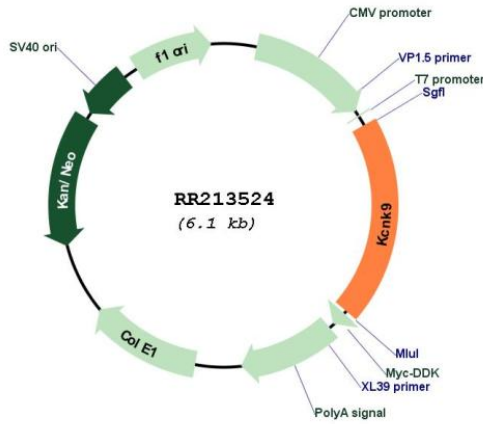
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053405

ORF Size:	1188 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:	<ol style="list-style-type: none">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_053405.2 , NP_445857.2
RefSeq Size:	1191 bp
RefSeq ORF:	1191 bp
Locus ID:	84429
UniProt ID:	Q9ES08
Cytogenetics:	7q34
MW:	44.4 kDa
Gene Summary:	an acid-sensing K(+) channel; highly sensitive to changes in extracellular pH [RGD, Feb 2006]