

Product datasheet for **RR209608**

Kcnk3 (NM_033376) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnk3 (NM_033376) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnk3
Synonyms:	rTASK; Task-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209608 representing NM_033376 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCGGCAGAATGTGCGCACGTTGGCTCTCATCGTGTGCACCTTCACCTACCTGCTGGTGGGCGCCG
CGGTGTTTCGACGCGCTGGAGTCGGAGCCGAGATGATCGAGCGGAGCGGCTGGAGCTGCGGCAGCTGGA
GCTGCGGGCGCGCTACAACCTCAGCGAGGGCGGCTACGAGGAGCTGGAGCGCGTCTGCTGCGCCTCAAG
CCGCACAAGGCCGCGTGCAGTGGCGCTTCGCCGCTCCTTCTACTTCGCCATCACCGTCATCACCAAA
TCGGCTATGGTCATGCGGCTCCCAGCACGGACGGAGGCAAGGTGTTCTGCATGTTCTACGCGCTGCTGGG
CATCCCGCTCACACTAGTCATGTTCCAGAGCCTGGGTGAACGCATCAACACCTTCGTGAGGTACCTGCTG
CACCGTGCGAAGAGGGGGCTGGGCATGCGGCACGCCGAGGTGCCATGGCCAACATGGTGCTCATCGGTT
TCGTGTCGTGCATCAGCACGCTGTGATCGGCGCCGCTGCCTTCTCTACTATGAGCGCTGGACTTTCTT
CCAGGCCATTACTACTGCTTCAACCTCACCCTCACCACCATCGGCTTCGGCGACTACGTGGCGCTGCAGAAG
GACCAGGCGCTGCAAACGCAGCCTCAGTACGTGGCCTTCAGCTTCGTATACATCCTCACCGCCTCACGG
TCATCGGCGCCTTCTCAACCTCGTGGTGCATGACCATGACCATGAACGCCGAGGACGAGAAGCGTGA
TGCAAGCACCGTGCCTGCTCACGCACAATGGCCAGGCTGGCGGCTGGGTGGCCTGAGCTGCCTAAGC
GGTAGCCTGGGCGATGGCGTGCCTCCCCGACCCAGTCACTTGCAGCGGCTGCAGGCGGCATGGGCG
TGGGCGTGGGCGTGGTGGCAGCGGCTTCGCAACGTCTATGCTGAAATGCTGCACTTTTCAGTCCATGTG
CTCGTGCCTCTGGTACAAGAGCCGCGAGAAGCTGCAGTACTCCATCCCCATGATCATCCCGCGGGACCTC
TCCACATCCGACACGTGCGTGGAGCACAGCCACTCGTCGCCAGGAGGCGGCGCCGCTACAGCGACACGC
CCTCACACCTTGCTGTGCAGCGGGACGCAACGCTCGGCCATCAGCTCCGTGTCCACGGGCTGCACAG
CCTGGCTACCTTCGCGGCTCATGAAGCGCAGGAGCTCAGT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209608 representing NM_033376
Red=Cloning site Green=Tags(s)

MKRQNVRTLALIVCTFTYLLVGAAVFDALESEPEMIERQRLERQLELRARYNLSEGGYEELERVVLRK
 PHKAGVQWRFAGSFYFAITVITTIYGYGHAAPSTDGGKVF CMFYALLGIPLTLVMFQSLGERINTFVRYLL
 HRAKRGLGMRHAEVSMANMVLIGFVSCISTLCIGAAAFSYERWTFQAYYYCFITLTTIGFGDYVALQK
 DQALQTQPQYVAFSFVYILTGLTVIGAFNLVLRFMFMNAEDEKRD AEHRALLTHNGQAGLGLSCLS
 GSLGDGVRPRDPVTCAA AAGMGVGVGVGSGFRNVYAEMLHFQSMC SCLWYKSREKLQYSIPMII PRDL
 STSDTCVEHSHSSPGGGGRYSDTPSHPC LCSGTQRSAISSVSTGLHSLATFRGLMKRRSSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

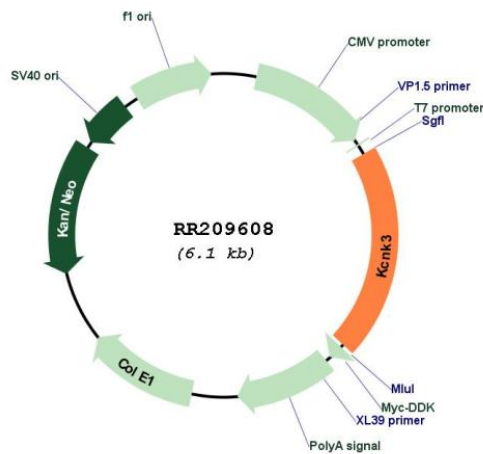
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_033376

ORF Size:	1233 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_033376.1 , NP_203694.1
RefSeq Size:	2077 bp
RefSeq ORF:	1236 bp
Locus ID:	29553
UniProt ID:	O54912
Cytogenetics:	6q14
MW:	45.3 kDa
Gene Summary:	a TWIK-related acid-sensitive K ⁺ channel; functions as an open rectifier baseline potassium channel [RGD, Feb 2006]