

Product datasheet for **MR223955**

Kcnk9 (NM_001033876) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnk9 (NM_001033876) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnk9
Synonyms:	Task3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223955 representing NM_001033876 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGCGGCAGAACGTGCGTACCCTGTCTTGATCGCCTGTACCTTCACCTACCTGCTGGTCGGTGCCG
CGGTGTTTCGACGCCCTCGAGTCGGACCATGAGATGCGCGAGGAGAGAACTTAAAGCCGAAGAAGTCCG
TCTCAGAGGCAAGTACAACATCAGCTCCGATGACTACCAGCAGCTGGAGCTGGAATCCTGCAGTCTGAG
CCCCACCGCGCTGGTGTCCAGTGAAATTCGCCGGTTCCTTCTACTTCGCCATCACTGTCATCACAAC
TCGGATATGGACATGCTGCACCTGGAATGATGCTGGCAAGGCCCTCTGTATGTTCTACGCTGTGCTGGG
TATCCCCCTGACGCTGGTTATGTTCCAGAGCCTGGGCGAGCGCATGAACACCTTCGTGCGCTACCTGCTG
AAACGTATCAAGAAGTGCTGTGGCATGCGCAACACTGAAGTTTCTATGGAGAACATGGTGACCGTCGGCT
TCTTTTCTGTCATGGGCACCCTGTGCCTTGGGGCGGCTGCCTTTTCCAGTGTGAAGATTGGAGCTTCTT
CCATGCCTACTACTGCTTCAACATTGACTACTATAGGGTTCGGCGATTTTGTGGCCCTGCAGGCC
AAGGTGCGCTGCAGAGGAAGCCATTCTATGTGGCCTTCAGTTCATGTATATCCTGGTGGGCTGACCG
TCATCGGTGCCTCCTCAATCTTGTGGTCTGCGATTCTGACCATGAATACCGATGAGGAGCTACTGGA
GGGAGAAGTTGCGGAGATTCTTGCTGAAATCCAAGAAGAGTGTCTGTCGGTGCCTCAGAGACGCAAG
AGGCACCAGCCATGACTTCTCAGGAAATACGGCAGAACCCTGTGCTATCTCTGCTTCCCTGGTACCA
ACTGGGGTAAAGATGATGACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT
TCTGCTCCTGCGCCTGCTCCTGCTCCTGCGCCTGCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
AGTGTCCGGGCTACCGTCCACACCGTTTCTGCAGGGTTGAAGAGATCCCTCCAGACGTGCTGAGGAACA
CCTACTCCGG[AT]CCGTTTTCGGCGCCATTCTCCTGGAATGCACACCTGCGGGGACCATAGGCTGCA
CCTCCGTCGAAGTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223955 representing NM_001033876
Red=Cloning site Green=Tags(s)

MKRQNVRTL SLIACTFTYLLVGAAVDALESDHEMREEEKLKAEVRLRGKYNISSDDYQQLLVLQSE
 PHRAGVQWK FAGSFYFAITVITTI GYGHAAPGTDAGKAF CMFYAVLGIPLTLVMFQSLGERMNTFVRYLL
 KRIKCCGMRNTEVSMENMVTVGFFSCMGTLCLGAAAFSQCEDWSFFHAYYYCFITLTTIGFGDFVALQA
 KGALQRKPFYVAFSFMYLVLGLTVIGAFNLVLRFLTMNTDEELLEGEVAEILAGNPRRVSVRAPQRRK
 RHHAMYFLRKYGRTLCYLCFPGTNWGKDDDDDDDDVVDNVVVTAPISAPAPAPAPAPAAVAAGATIR
 SVRATVHTVSCRVEEIPDVL RNTYFRXXVFGAIPPGMHTCGDHRLHLRKRSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033876

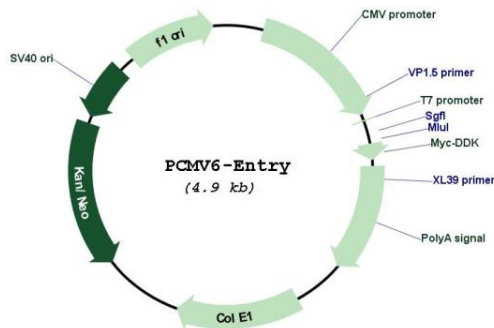
ORF Size: 1209 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_001033876.1, NP_001029048.1</u>
RefSeq Size:	1209 bp
RefSeq ORF:	1209 bp
Locus ID:	223604
UniProt ID:	<u>Q3LS21</u>
Cytogenetics:	15 D3
MW:	45.4 kDa
Gene Summary:	pH-dependent, voltage-insensitive, background potassium channel protein.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223955