

Product datasheet for **MC217614**

Kcnk10 (NM_029911) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnk10 (NM_029911) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnk10
Synonyms:	1700024D23Rik; 3010005K24Rik; Trek2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217614 representing NM_029911
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATATTTTCTACATAGGTTACTTCTTCTCTCCTTTGGTGGCCGTGCCTGCAGCAGCCCCACCAG
 TGTGCCAGCCCAAGAGTGCCACTAACGGGCATCACCTGTTCTCGACTCTCCATTTCTCTCGAGCCAC
 GGTGGTAGCCAGGATGGAAGCGCCTCCAGGGAGGCCTGCAAACAGTTATGAAGTGAAAAACAGTGGTT
 GCCATCTTCGTGGTGGTGGTCTACCTCGTCACTGGTGGCCTTGCTTCCGGGCTTGGAAACAGCCCT
 TCGAGAGCAGTCAGAAGAACAATCGCCTTGGAGAAGGCAGAATTCTTGAGAGATCACATCTGTGTGAG
 TCCCCAGAACTAGAGACTGATTGAGCATGCACTCGATGCTGATAACGCGGGAGTCAGCCAGTAGGA
 AACTCTTCCAACAGCAGCAGTCACTGGGACCTTGAAGTGCCTTCTTCTTGTGGGACAGTCATCACAA
 CCATAGGGTATGGGAATATTGCTCCGAGCACTGAAGGAGGCAAAATCTTTGTATTTTATATGCCATCTT
 TGGGATCCGCTTTTGGTTTCTATTGGCTGGAATTGGAGACCAACTTGAACCATCTTGGCAAAAGC
 ATTGCAAGAGTGGAAAAGTTTTTCGAAAGAAGCAAGTGAGCCAGACCAAGATCCGGGTCATCTCCACGA
 TTCTCTTCATCTTGGCTGGCTGCATCGTGTGTTGTGACCATCCCTGCTGTCATCTTAAATACATCGAGG
 TTGGACCGCTTGGAGTCCATCTACTTTGTGGTAGTCACGCTGACCACAGTAGGCTTTGGTGATTTTGTG
 GCAGGGGAAAATGCTGGCATCAATTACCGAGAGTGGTACAAGCCGCTGGTGTGGTTTTGGATCCTTGTG
 GCCTTGCCTACTTTGCAGCTGCCTCAGTATGATCGGAGACTGGCTGCGGGTTTTATCCAAAAGACAAA
 AGAAGAGGTTGGTGAATCAAAGCCACGCAGCTGAGTGAAGGCTAATGTCAGTCTGATGATCCGGGAG
 ACGAGAAGGCGGCTCAGCGTTGAGATCCATGACAAGCTGCAACGGGCAGCCACTATCCGAAGTATGGAGC
 GCCGGAGGCTGGCTTGGACAGAGGGCCCACTACTGGACATGCTATCCCTGAGAAGCGTTCTGTCTT
 TGCAGCCCTGGACACAGGCGTTTTCAAGGCCTCATCGCAGGAGAGTATCAACAACAGACCCCAACAACCTA
 CGCCTTAAGGGGCCAGAACAGCTTACAAAACATGGGCAGGGCGTCTTGAGGACAACATCATCAACAAGT
 TTGGGTCCACCTCCAAACTCACAAAGAGGAAAAACAAGATCTCAAAAAGACCTTACCCGAGGATGTTCA
 GAAAATCTACAAAACCTTCCGGAATTACTCTCTGGATGAAGAGAAGAAAGAGGACGAGACAGAAAAGATG
 TGTAACTCCGACAACCTCCAGCACAGCCATGCTGACAGAGTGTATACAGCAGCAAGCTGAGATGGAGAACG
 GAATGGTACCCACGGACACCAAGACCAGGGGCTGGAGAACAATTCTTTACTTGAAGACAGAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_029911

Insert Size: 1608 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](#)

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_029911.5, NP_084187.2</u>
RefSeq Size:	7363 bp
RefSeq ORF:	1608 bp
Locus ID:	72258
Cytogenetics:	12 E