

Product datasheet for **RN200209**

Kcnk2 (NM_172041) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnk2 (NM_172041) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcnk2
Synonyms:	rTREK1d; Trek-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200209 representing NM_172041
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAACCCACGGGCGAAAAGGAGCGTCTACCTGGCGGCCCTGACTTGTGGATCCCAAGTCTGCTG
 CTCAGAACTCCAACCGAGGCTCTCGTTCTCCGCAAAACCCACCGTCTTCCCGGGTGGAGAGTGA
 CTCGGCCATTAATGTTATGAAATGGAAGACGGTCTCCACGATTTTCTGGTGGTCTCTACCTGATC
 ATCGGAGCCACGGTGTCAAGGCGTTGGAGCAGCCTCAGGAGATTTCTCAGAGGACCACCATTGTGATCC
 AGAAACAGAACTTCATAGCCCAGCATGCCTGCGTCAACTCCACCGAGCTGGATGAACTCATCCAGCAAA
 AGTGACGGCCATAAATGCAGGGATTATCCCTTAGGAAACAACCTCCAATCAAGTTAGTCACTGGGACCTC
 GGAAGCTCTTTCTTTGCCGGCACTGTTATCACAACCATAGGATTTGGAAACATCTCCCACGAACTG
 AAGGTGGAAAAATATTCTGTATCATCTATGCCTTGTGGGAATCCCTCTTTGGTTTTCTACTGGCTGG
 GGTGGGGATCAGCTTGAACCATATTTGGAAAAGGAATTGCCAAAGTGGAGGACACATTTATTAAGTGG
 AATGTTAGTCAGACCAAGATTCGTATCATCTCGACCATCATCTTCATCCTGTTGGCTGTCTCTTCCG
 TGGCTCTCCCGCCGTCATATCAAGCACATAGAAGGCTGGAGTGCCTGGACGCCATCTACTTTGTGGT
 CATCACTCTGACCACCATTGGATTTGGCGATTATGTGGCAGGTGGGTCCGACATTGAATATCTGGACTTC
 TACAAGCCCGTTGTGGTTCTGGATCCTCGTTGGGCTGGCCTACTTTGCGGCTGTTCTGAGCATGATTG
 GAGACTGGCTACGGGTGATATCTAAGAAGACGAAGGAAGAGGTGGGAGAGTTCAGAGCGCATGCCGCTGA
 GTGGACAGCCAATGTACAGCCGAGTTC AAGGAAACAAGGAGCGCGCTGAGTGTGGAGATCTATGACAAG
 TTCCAGCGTGCCACGTCCGTGAAGCGGAAGCTCTCTGCAGAGCTGGCGGGTAACCATAACCAGGAACTGA
 CTCCATGTAGGAGGACCCTGTCGGTGAACCACCTGACCAGCGAGAGGGAAGTCTGCCTCCCTTGTGAA
 GGCTGAGAGCATCTATCTGAACGGTCTGACACCACACTGTGCTCGTGAAGACATCGCTGTATTGAGAAC
 ATGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1546_a05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_172041

Insert Size: 1269 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_172041.2](#), [NP_742038.2](#)
RefSeq Size: 1371 bp
RefSeq ORF: 1269 bp
Locus ID: 170899
UniProt ID: [Q920B6](#)
Cytogenetics: 13q26
Gene Summary: a large conductance K⁺ channel [RGD, Feb 2006]