

## Product datasheet for **RN200208**

### **Kcnk2 (NM\_172042) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kcnk2 (NM\_172042) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Kcnk2  
**Synonyms:** rTREK1d; Trek-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200208 representing NM\_172042  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTGCCAGCGCCTCGCGGGAGAGACCCGGCTATACCGCAGGAGTGGCGGCCCTGACTTGCTGGATC  
 CCAAGTCTGCTGCTCAGAACTCCAAACCGAGGCTCTCGTTCTCCGCAAACCCACCGTGTCTGCTCCCG  
 GGTGGAGAGTGACTCGGCCATTAATGTTATGAAATGGAAGACGGTCTCCACGATTTCTCGTGGTGGTCCGTC  
 CTCTACCTGATCATCGGAGCCACGGTGTCAAGGCGTTGGAGCAGCCTCAGGAGATTTCTCAGAGGACCA  
 CCATTGTGATCCAGAAACAGAATTCATAGCCCAGCATGCCTGCGTCAACTCCACCGAGCTGGATGAACT  
 CATCCAGCAAATAGTGACGGCCATAAATGCAGGGATTATCCCCTTAGGAAACAACTCCAATCAAGTTAGT  
 CACTGGGACCTCGGAAGCTCTTTCTTTTCCCGGCACTGTTATCACAACCATAGGATTTGGAAACATCT  
 CCCACGAACTGAAGGTGGAAAAATATTCTGTATCATCTATGCCTTGCTGGGAATCCCCTCTTTGGTTT  
 TCTACTGGCTGGGTTGGGGATCAGCTTGAACCATATTTGGAAAAGGAATTGCCAAAGTGGAGGACACA  
 TTTATTAAGTGAATGTTAGTCAGACCAAGATTGATCATCTCGACCATCATCTTCATCCTGTTGGCT  
 GTGTCCTCTTCGTGGCTCTCCCGCCGTCATATTCAAGCACATAGAAGGCTGGAGTGCCTGGACGCCAT  
 CTACTTTGTGGTATCACTCTGACCACCATTTGGATTTGGCGATTATGTGGCAGGTGGGTCGGACATTGAA  
 TATCTGGACTTCTACAAGCCCGTCGTGTGGTTCTGGATCCTCGTTGGGCTGGCCTACTTTGCGGCTGTTT  
 TGAGCATGATTGGAGACTGGCTACGGGTGATATCTAAGAAGACGAAGGAAGAGGTGGGAGAGTTCAGAGC  
 GCATGCCGCTGAGTGGACAGCCAATGTCACAGCCGAGTTCAAGGAAACAAGGAGGCGGCTGAGTGTGGAG  
 ATCTATGACAAGTTCAGCGTCCACGTCCTGAAAGCGGAAGCTCTCTGCAGAGCTGGCGGGTAACCATA  
 ACCAGGAACTGACTCCATGTAGGAGGACCTGTCGGTGAACCACTGACCAGCGAGAGGGAAGTCTCGCC  
 TCCCTTGCTGAAGGCTGAGAGCATCTATCTGAACGGTCTGACACCACACTGTGCTGCTGAAGACATCGCT  
 GTCATTGAGAACATGAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_172042
<b>Insert Size:</b>	1281 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_172042.1</a></u> , <u><a href="#">NP_742039.1</a></u>
<b>RefSeq Size:</b>	3187 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	170899
<b>UniProt ID:</b>	<u><a href="#">Q920B6</a></u>
<b>Cytogenetics:</b>	13q26
<b>Gene Summary:</b>	a large conductance K <sup>+</sup> channel [RGD, Feb 2006]