

## Product datasheet for RN206651

### Kcnk12 (NM\_022292) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kcnk12 (NM\_022292) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Kcnk12  
**Synonyms:** THIK-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206651 representing NM\_022292  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCTCCCGCAGCCCCGGCCCCGCCCCGCCGCTGCCGCCGCCGCTGCCGCCGCCCTCCTGCTGCT  
 GCTGCTGCTGCCCGCTCGCACCTCAACGAGGACACCGACGCTTCGTGCTGCTGGCCGCGCTCATTGG  
 CCTCTACCTGGTGGCCGGCGCCACCGTCTTCTCCGCGCTCGAGAGCCGGGCGAGGCGGAGCGCGGGCG  
 CGCTGGGGCGCCACGCTGCGCAACTTACGCGCTGCGCACGGCGTCCGCGGAGCCGGAGCTGCGCGCCTCC  
 TCCGGCACTACGAGGCCGCGCTGGCCGCCGGGTCCGCGCCGACGCGCTGCGCCCGCGCTGGGACTTCCC  
 TGGAGCCTTACTTCGTGGCACCGTGGTGTGACCATAGGCTTCGGCATGACCACCCAGCCACAGTG  
 GGCGGGAAGGCCTTCTCATCGCTACGGACTGTTCCGGTGCAGCGGGACCATCCTGTTCTTCAACCTCT  
 TTCTGGAGCGCATCATCTCGTGTGCTGCTTATCATGCGCGCTGCCGGGAGCGTCAGCTGCGCCGCGAG  
 TGGCCTGCTGCCCGCCACCTCCGCGAGGCTCGGCGCTGTCGGAGGCCGACAGCCTGGCGGGTGAAG  
 CCCTCGGTGTATCACGTGCTGCTCATCTGGCCCTGTTCCGCGTGTGCTGGCCTGCTGCGCCTCGGCCA  
 TGTACACCAGCGTGGAGGGTGGGACTACGTGGACTCGCTCTACTTCTGCTTCTGCTACCTCAGCACCAT  
 CGGCTTCGGGACCTGGTGGAGCAGCAGCAGCCGCTACCGGAACAGGGGCTCTACCGTCTGGGCAAC  
 TTCTTTTTCATCTGCTCGGCGTGTGCTGATCTACTCGCTCTTCAACGTATCTCCATCCTCATCAAGC  
 AGGTGCTCAACTGGATGCTGCGCAAGCTGAGTGCCTGCTGTCAGCGCTGCTGCCCGGCTCCCGGCGC  
 GCCCTGTCCCGCGCAACGCCATACCCCGGGCTCCCGGCTGCGCGCTGCGCTGGCCGCGCTGGGTACC  
 GACCCCGCGGCTCGGACAGCGACGCCGAGGGCCGCCCTGTCGGGAGAGCTCATCTCAATGCGCGACC  
 TCACGGCGTCCAACAAGGTGCTGCTGGCACTGCTGCAGAAGCAGCTTCCGAGACGGCAACGGCTACCC  
 GCGCAGCGTGTGCTAACACGCGCCAGAACGGCTTCTCGGGCGCGTGGGCGCGCTGGGCATCATGAAC  
 AACCGGCTGGCAGAGACCAGCGCTCCAGG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_022292
<b>Insert Size:</b>	1293 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_022292.1</a></u> , <u><a href="#">NP_071628.1</a></u>
<b>RefSeq Size:</b>	1900 bp
<b>RefSeq ORF:</b>	1293 bp
<b>Locus ID:</b>	64119
<b>UniProt ID:</b>	<u><a href="#">Q9ERS1</a></u>
<b>Cytogenetics:</b>	6q12
<b>Gene Summary:</b>	tandem pore domain halothane inhibited K(+) channel [RGD, Feb 2006]