

## Product datasheet for RC215155

### KCNK3 (NM\_002246) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK3 (NM_002246) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KCNK3
Synonyms:	K2p3.1; OAT1; PPH4; TASK; TASK-1; TASK1; TBAK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215155 representing NM_002246 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCGGCAGAACGTGCGCACGCTGGCGCTCATCGTGTGCACCTTCACCTACCTGCTGGTGGCGCCG  
CGGTCTTCGACGCGCTGGAGTCGGAGCCCCGAGCTGATCGAGCGGCAGCGGCTGGAGCTGCGGCAGCAGGA  
GCTGCGGGCGCGCTACAACCTCAGCCAGGGCGGCTACGAGGAGCTGGAGCGCGTCTGCTGCGCCTCAAG  
CCGCACAAGGCCGCGTGCAGTGGCGCTTCGCCGGCTCCTTCTACTTCGCCATCACCGTCATCACCACCA  
TCGGCTACGGGCACGCGGCACCCAGCACGGATGGCGGCAAGGTGTCTGCATGTTCTACGCGCTGCTGGG  
CATCCCGCTCACGCTCGTCATGTTCCAGAGCCTGGGCGAGCGCATCAACACCTTGGTGGGTACCTGCTG  
CACCGCGCAAGAAGGGGCTGGGCATGCGGCGCGCCGACGTGTCCATGGCCAACATGGTGCTCATCGGCT  
TCTTCTCGTGCATCAGCACGCTGTGCATCGGCGCCGCGCCTTCTCCACTACGAGCACTGGACCTTCTT  
CCAGGCCACTACTACTGCTTATCACCCTCACCACCATCGGCTTCGGCGACTACGTGGCGCTGCAGAA  
GACCAGGCCCTGCAGACGCAGCCGAGTACGTGGCCTTACGTTCTGCTACATCCTTACGGGCTCACGG  
TCATCGGCGCCTTCTCAACCTCGTGGTGTGCTGCGCTTATGACCATGAACGCCGAGGACGAGAAGCGCA  
CGCCGAGCACCGCGCTGCTCACGCGCAACGGGACGGCGGGCGGCGGCGGAGGGGTGGCAGCGCGCAC  
ACTACGGACACCGCCTCATCCACGGCGGCAGCGGGCGGCGGCTTCCGCAACGTCTACGCGGAGGTGC  
TGCACTTCCAGTCCATGTGCTCGTGCCTGTGTTACAAGAGCCGCGAGAAGCTGCAGTACTCCATCCCAT  
GATCATCCCGCGGGACCTCTCCACGTCCGACACGTGCGTGGAGCAGAGCCACTCGTCCGCGGAGGGGGC  
GGCCGCTACAGCGACACGCCCTCGGACGCTGCCTGTGCAGCGGGGCGCCACGCTCCGCCATCAGCTCGG  
TGTCACGGGTCTGCACAGCCTGTCCACCTTCCGCGGCTCATGAAGCGCAGGAGCTCCGTG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_002246.3](#)

**RefSeq Size:** 2590 bp

**RefSeq ORF:** 1185 bp

**Locus ID:** 3777

**UniProt ID:** [O14649](#)

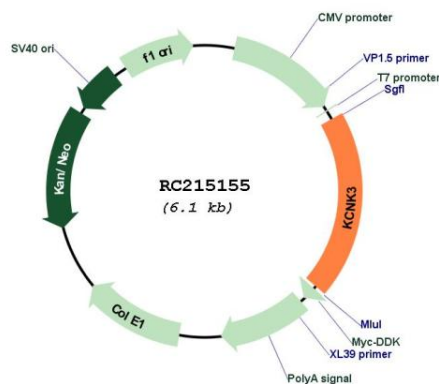
**Cytogenetics:** 2p23.3

**Protein Families:** Druggable Genome, Ion Channels: Potassium, Transmembrane

**MW:** 43.3 kDa

**Gene Summary:** This gene encodes a member of the superfamily of potassium channel proteins that contain two pore-forming P domains. The encoded protein is an outwardly rectifying channel that is sensitive to changes in extracellular pH and is inhibited by extracellular acidification. Also referred to as an acid-sensitive potassium channel, it is activated by the anesthetics halothane and isoflurane. Although three transcripts are detected in northern blots, there is currently no sequence available to confirm transcript variants for this gene. [provided by RefSeq, Aug 2008]

### Product images:



Circular map for RC215155