

Product datasheet for RC205321

KCNK1 (NM_002245) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK1 (NM_002245) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KCNK1
Synonyms:	DPK; HOHO; K2P1; K2p1.1; KCNO1; TWIK-1; TWIK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205321 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCAGTCCCTGGCCGGCAGCTCGTGCGTGCCTGGTGGAGCGGCACCGCTCGGCCTGGTGCCTCG
GCTTCTGCTGGGCTACTTGTCTACCTGGTCTTCGGCGCAGTGGTCTTCTCCTCGGTGGAGCTGCC
CTATGAGGACCTGCTGCGCCAGGAGCTGCGCAAGCTGAAGCGACGCTTCTGGAGGAGCAGAGTGCCTG
TCTGAGCAGCAGCTGGAGCAGTTCCTGGGCCGGGTGCTGGAGGCCAGCAACTACGGCGTGTGGTGCCTA
GCAACGCCTCGGGCAACTGGAAGTGGGACTTACCTCCGCGCTTCTTCCGACAGCAGCTGCTCCAC
CACAGGTTATGGCCACACCGTGCCCTTGTGAGTGGAGGTAAGGCCTTCTGCATCATCTACTCCGTATT
GGCATTCCCTTACCCTCCTGTTCTGACGGCTGTGGTCCAGCGCATCACCGTGCAGTCCCGCAGGC
CGGTCTCTACTTCCACATCCGCTGGGGCTTCTCCAAGCAGGTGGTGGCCATCGTCCATGCCGTGCTCT
TGGGTTTGTCACTGTGCTCCTGCTTCTTCTCATCCCGCCGCTGTCTTCTCAGTCTGGAGGATGACTGG
AACTTCTGGAATCCTTTATTTTTGTTTTATTTCCCTGAGCACCATTGGCCTGGGGATTATGTGCCTG
GGGAAGGCTACAATCAAAAATTCAGAGAGCTCTATAAGATTGGGATCACGTGTTACCTGCTACTTGGCCT
TATTGCCATGTTGGTAGTCTGAAAACCTTCTGTGAACTCCATGAGCTGAAAAAATTCAGAAAAATGTTT
TATGTGAAGAAGGACAAGGACGAGGATCAGGTGCACATCATAGAGCATGACCAACTGTATTCTCCTCGA
TCACAGACCAGGACGCTGGCATGAAAGAGGACCAGAAGCAAAATGAGCCTTTTGTGGCCACCCAGTCATC
TGCTGCGTGGATGGCCCTGCAAACCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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_002245.4](#)

RefSeq Size: 2161 bp

RefSeq ORF: 1011 bp

Locus ID: 3775

UniProt ID: [O00180](#)

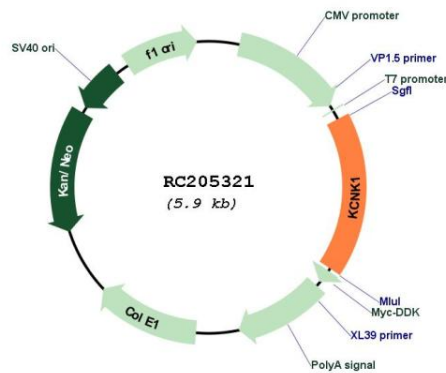
Cytogenetics: 1q42.2

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

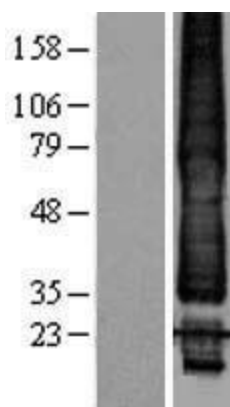
MW: 38.1 kDa

Gene Summary: This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The product of this gene has not been shown to be a functional channel, however, it may require other non-pore-forming proteins for activity. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC205321



Western blot validation of overexpression lysate (Cat# [LY400813]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205321 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).