

## Product datasheet for **SC335714**

### KCNK9 (NM\_001282534) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KCNK9 (NM\_001282534) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** KCNK9  
**Synonyms:** BIBARS; K2p9.1; KT3.2; TASK-3; TASK3; TASK32  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC335714 representing NM\_001282534.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGAGGCAGAACGTGCGGACTCTGTCCCTCATCGTCTGCACCTTCACCTACCTGCTGGTGGCGCC
GCCGTGTTTCGACGCCCTCGAGTCGGACCACGAGATGCGCGAGGAGGAGAACTCAAAGCCGAGGAGATC
CGGATCAAGGGGAAGTACAACATCAGCAGCGAGGACTACCGGCAGCTGGAGCTGGTATCCTGCAGTCG
GAACCGCACCGCGCCGGCGTCCAGTGAAATTCGCCGGCTCCTTCTACTTTGCGATCACGGTCATCACC
ACCATAGGTTATGGGCACGCTGCACCTGGCACCAGTGCAGGCAAGGCCTTCTGCATGTTCTACGCCGTG
CTGGGCATCCCGCTGACACTGGTCATGTTCCAGAGCCTGGGCGAGCGCATGAACACCTTCGTGCGCTAC
CTGCTGAAGCGCATTAAAGAGTGTGTGGCATGCGCAACTGACGTGTCTATGGAGAACATGGTGACT
GTGGGCTTCTTCTCCTGCATGGGACGCTGTGCATCGGGCGGCCGCTTCTCCCAGTGTGAGGAGTGG
AGCTTCTTCCACGCCCTACTACTGCTTCATCACGTTGACTACCATTGGGTTCCGGGACTACGTGGCC
CTGCAGACCAAGGGTGCCTGCAGAAGAAGCCGCTCTACGTGGCCTTTAGCTTTATGTATATCCTGGTG
GGGCTGACGGTCATCGGGCCTTCTCAACCTGGTCGTCTCAGGTTCTTGACCATGAACAGTGAGGAT
GAGCGCGGGATGCTGAAGAGAGGGCATCCCTCGCCGAAACCGCAACAGCATGGTCATTACATCCCT
GAGGAGCCGCGGCCAGCCGCCAGGTACAAGGCGGACGTCCTCCGACCTGCAGTCTGTGTCTCCTGC
ACCTGCTACCGCTCGCAGGACTATGGCGCCGCTCGGTGGCACCAGCAACTCCTCAGCGCAAGCTT
GCCCCCACTACTTCCACTCCATCTTTACAAGATCGAGGAGATCTACCAAGCACATTAACAAACAGC
CTTTCCCATCGCCTATTAGCTCCATCTCTCTGGGTTACACAGCTTTACCGACCACAGAGGCTGATG
AAACGCCGGAAGTCCGTTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGCGC
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**Restriction Sites:** SgfI-MluI



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|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_001282534  |
| <b>Insert Size:</b>           | 1125 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>                | <a href="#">NM_001282534.1</a>  |
| <b>RefSeq Size:</b>           | 2331 bp   |
| <b>RefSeq ORF:</b>            | 1125 bp   |
| <b>Locus ID:</b>              | 51305   |
| <b>UniProt ID:</b>            | <a href="#">Q9NPC2</a>  |
| <b>Cytogenetics:</b>          | 8q24.3  |
| <b>Protein Families:</b>      | Druggable Genome, Ion Channels: Potassium, Transmembrane  |
| <b>MW:</b>                    | 42.3 kDa  |
| <b>Gene Summary:</b>          | <p>This gene encodes a protein that contains multiple transmembrane regions and two pore-forming P domains and functions as a pH-dependent potassium channel. Amplification and overexpression of this gene have been observed in several types of human carcinomas. This gene is imprinted in the brain, with preferential expression from the maternal allele. A mutation in this gene was associated with Birk-Barel dysmorphism syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2017]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the protein.</p> |