

Product datasheet for **RG237820**

KCNK9 (NM_001282534) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCNK9 (NM_001282534) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KCNK9
Synonyms:	BIBARS; K2p9.1; KT3.2; TASK-3; TASK3; TASK32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237820 representing NM_001282534. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGAGGCAGAACGTGCGGACTCTGTCCCTCATCGTCTGCACCTTACCTACCTGCTGGTGGGCGCC
GCCGTGTTTCGACGCCCTCGAGTCGGACCACGAGATGCGCGAGGAGGAGAACTCAAAGCCGAGGAGATC
CGGATCAAGGGGAAGTACAACATCAGCAGCGAGGACTACCGGCAGCTGGAGCTGGTGATCCTGCAGTCG
GAACCGCACCCGCGCCGGCGTCCAGTGAAATTCGCCGGCTCCTTCTACTTTGCGATCACGGTCATCACC
ACCATAGGTTATGGGCACGCTGCACCTGGCACCAGATGCGGGCAAGGCCTTCTGCATGTTCTACGCCGTG
CTGGGCATCCCGCTGACACTGGTCATGTTCCAGAGCCTGGGCGAGCGCATGAACACCTTCGTGCGCTAC
CTGCTGAAGCGCATTAAAGAAGTGTGTGGCATGCGCAACACTGACGTGTCTATGGAGAACATGGTGACT
GTGGGCTTCTTCTCCTGCATGGGACGCTGTGCATCGGGCGGCCGCTTCTCCCAGTGTGAGGAGTGG
AGCTTCTTCCACGCCCTACTACTGCTTCATCACGTTGACTACCATTGGGTTCCGGGACTACGTGGCC
CTGCAGACCAAGGGCGCCCTGCAGAAGAAGCCGCTCTACGTGGCCTTTAGCTTTATGTATATCCTGGTG
GGGCTGACGGTTCATCGGGCCTTCTCAACCTGGTCGTCTCAGGTTCTTGACCATGAACAGTGAGGAT
GAGCGCGGGATGCTGAAGAGAGGGCATCCCTCGCCGAAACCGCAACAGCATGGTCATTACATCCCT
GAGGAGCCGCGGCCAGCCGCCAGGTACAAGGCGGACGTCGCCGACCTGCAGTCTGTGTCTCCTGC
ACCTGCTACCGCTCGCAGGACTATGGCGGCCGCTCGGTGGCACCAGCAACTCTTCAGCGCAAGCTT
GCCCCCACTACTTCCACTCCATCTTTACAAGATCGAGGAGATCTACCAAGCACATTAATAAAGCAGC
CTTTCCCATCGCCTATTAGCTCCATCTCTCTGGGTTACACAGCTTTACCGACCACAGAGGCTGATG
AAACGCCGGAAGTCCGTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237820
 Blue=ORF Red=Cloning site Green=Tag(s)

MKRQNVRTL SLIVCTFTYLLVGAAVDALESDHEMREEEKLKAEIIRIKGKYNISSEDRQLELVILQS
 EPHRAGVQWKFFAGSFYFAITVITTIYGYHAAPGTDAGKAFCMFYAVLGIPLTLVMFQSLGERMNTFVRY
 LLKRIKCCGMRNTDVS MENMVTGVFFSCMGTLCIGAAAFSQCEWSFFHAYYCFITLTTIGFDYVA
 LQTKGALQKKPLVYAFSFMYL VGLTVIGAFNLVLRFLTMNSEDERRDAEERASLAGNRNSMVIHIP
 EEP RPSRPRYKADVPDLQSVCSCTCYRSQDYGGRSVAPQNSFSAKLAPHYFHSISYKIEEISPSTLKNS
 LFPSPISSISPLHSFTDHQRLMKRRKSV
 TRTRPLEMESDEGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282534

ORF Size: 1122 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

RefSeq: [NM_001282534.1](#), [NP_001269463.1](#)

RefSeq Size: 2331 bp

RefSeq ORF: 1125 bp

Locus ID: 51305

UniProt ID: [Q9NPC2](#)

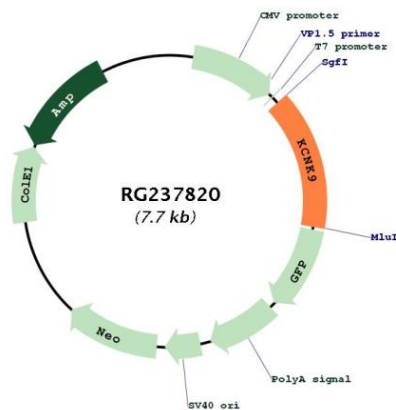
Cytogenetics: 8q24.3

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

MW: 42.3 kDa

Gene Summary: 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]

Product images:



Circular map for RG237820