

Product datasheet for **RG213846**

KCNK4 (NM_033310) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KCNK4 (NM_033310) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: KCNK4
Synonyms: FHEIG; K2p4.1; TRAAK; TRAAK1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG213846 representing NM_033310
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGCGGGGATGCCGGGGCGTCTGCGGAGAGTGCACTGACGACAGCTCCCCAGGAGCCCCCGCC
 GGCCCTCCAGGCGGGCAGTGGAGCTGGCCCGGCCCTGGGCGGCCATGCGCAGCACCAGCTCCTGGC
 CCTGCTGGCGTGGTCTTGCTTTACTTGGTGTCTGGTGCCTGGTGTCCGGGCCCTGGAGCAGCCCCAC
 GAGCAGCAGGCCAGAGGAGCTGGGGAGGTCCGAGAGAAGTTCCTGAGGGCCATCCGTGTGAGCG
 ACCAGGAGCTGGCCTCCTCATCAAGGAGTGGCTGATGCCCTGGGAGGGGTGCGGACCCAGAAACCAA
 CTCGACCAGCAACAGCAGCCACTCAGCCTGGGACCTGGGACGCGCTTCTTTTCTCAGGGACCATCATC
 ACCACCATCGGCTATGGCAATGTGGCCCTGCGCACAGATGCCGGGCGCCTCTTCTGCATCTTTATGCGC
 TGGTGGGGATTCCGCTGTTGGGATCCTACTGGCAGGGGTGCGGGACCGCTGGGCTCCTCCCTGCGCCA
 TGGCATCGGTCACATTGAAGCCATCTTCTTGAAGTGGCACGTGCCACCGGAGCTAGTAAGAGTGTGTGC
 GCGATGCTTTTCTGCTGATCGGCTGCCTGCTCTTTGCTCAGCCCCACGTTCTGTCTGCTATATGG
 AGGACTGGAGCAAGCTGGAGGCCATCTACTTTGTATAGTGACGTTACCACCGTGGGCTTTGGCGACTA
 TGTGGCCGGCGCGGACCCAGGCAGGACTCCCCGGCCTATCAGCCGCTGGTGTGGTCTGGATCCTGCTC
 GGCTGGCTTACTTCGCCTCAGTGTCTACCACCATCGGGAAGTGGCTGCGAGTGTGTCCCGCCGACTC
 GGGCAGAGATGGGCGGCCCTCAGGCTCAGGCTGCCAGCTGGACTGGCACAGTGACAGCGCGGTGACCCA
 GCGAGCCGGGCCCGCCCGCCCGCGGAGAAGGAGCAGCCACTGCTGCCTCCACCGCCCTGTCCAGCG
 CAGCCGCTGGGACGGCCCGATCCCCTTCGCCCCCGAGAAGGCTCAGCCGCTTCCCGCCACGGCCT
 CGGCCCTGGATTATCCAGCGAGAACCTGGCCTTCATCGACGAGTCTCGGATACGAGAGCGAGCGCG
 CTGCCCGTGCCTCGCGCCGAGAGGTGCGCCCGCCAAATCCCCCAGGAAGCCGTCGGCCCCCG
 GGCCCCGGCGTCCCCGAGACAAAGGCGTGCCGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

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_033310.1](#), [NP_201567.1](#)

RefSeq Size: 1702 bp

RefSeq ORF: 1182 bp

Locus ID: 50801

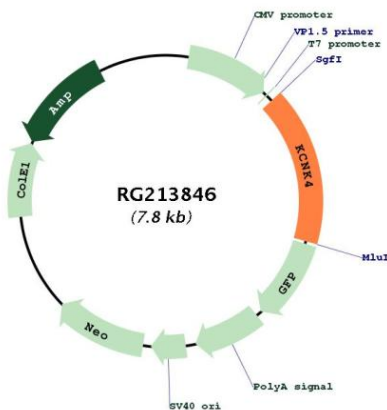
UniProt ID: [Q9NYG8](#)

Cytogenetics: 11q13.1

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

Gene Summary: This gene encodes a member of the TWIK-related arachidonic acid-stimulated two pore potassium channel subfamily. The encoded protein homodimerizes and functions as an outwardly rectifying channel. This channel is regulated by polyunsaturated fatty acids, temperature and mechanical deformation of the lipid membrane. This protein is expressed primarily in neural tissues and may be involved in regulating the noxious input threshold in dorsal root ganglia neurons. Alternate splicing results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream testis expressed 40 (TEX40) gene, as represented in GeneID: 106780802. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RG213846