

Product datasheet for **MR227314**

Kcnj6 (NM_001025585) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnj6 (NM_001025585) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kcnj6
Synonyms: BIR1; GIRK2; KATP2; KCNJ7; Kir3.2; weaver; wv
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227314 representing NM_001025585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAATGGCCAAGTTAACTGAATCCATGACTAACGTCTTGAAGGCGATTCCATGGACCAGGATGTGG
 AAAGCCCAGTGGCCATTACCAGCCAAAGTTGCCTAAGCAGGCCAGGGACGACCTGCCGAGACACATCAG
 CCGAGACAGGACAAAAGGAAAATCCAGAGGTACGTGAGGAAGGATGGGAAGTCAACGTTACCACGGC
 AATGTGCGGGAGACGTACCGATACCTGACGGACATCTTACCACCCTGGTGGACCTGAAGTGGAGATTCA
 ACCTGTTGATCTTTGTCATGGTCTACACAGTGACGTGGCTTTTCTTTGGGATGATCTGGTGGCTGATTGC
 GTACATCCGGGGAGATATGGACCACATAGAGGACCCCTCGTGGACTCCTTGTGTCACCAACCTCAACGGG
 TTTGTCTCTGCTTTTTATTCTCCATAGAGACAGAAACCACCATCGTTATGGCTACCGGTCATCACGG
 ACAAGTGCCCTGAGGGGATTATTCTCTCTTAATCCAGTCCGTGTTGGGGTCCATTGTCAACGCCTTCAT
 GGTAGGATGATGTTTGTGAAAATATCCCAACCAAGAAGAGGGCAGAGACCCTGGTCTTTTCCACCCAC
 GCGGTGATCTCCATGCGGGATGGGAACTGTGCTTGTGTTCCGGGTGGGGGACTTGAGGAATTCTCACA
 TTGTGGAGGCATCCATCAGAGCCAAGTTGATCAAGTCAAACAGACTTCAGAGGGGGAGTTTATCCCT
 CAACCAGACTGATATCAACGTGGGTACTACACAGGGGACGACCGCTCTTTCTGGTGTCCACATTGATT
 ATTAGCCATGAAATTAACCAACAGAGTCCCTTCTGGGAGATCTCAAAGCGCAGCTGCCTAAAGAGGAAC
 TGGAGATTGTGGTCATCCTGGAGGGAATGGTGAAGCCACAGGTAAGATGGGTTTCGCCCTGGGTTTTCT
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 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_001025585.2](#), [NP_001020756.1](#)

RefSeq Size: 2049 bp

RefSeq ORF: 984 bp

Locus ID: 16522

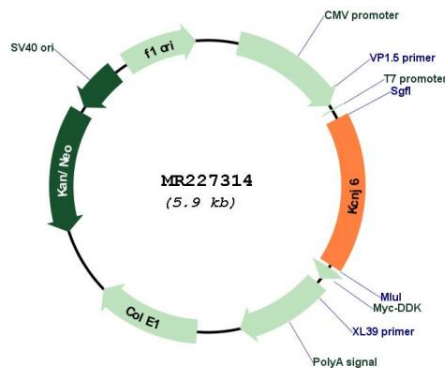
UniProt ID: [P48542](#)

Cytogenetics: 16 55.44 cM

MW: 37.9 kDa

Gene Summary: This potassium channel is controlled by G proteins. It plays a role in granule cell differentiation, possibly via membrane hyperpolarization. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227314