

Product datasheet for **RG217298**

CACNG6 (NM_145815) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CACNG6 (NM_145815) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CACNG6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG217298 representing NM_145815
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTGGTCCAACCTTCTCTCTGCAAGAGGAGAACCGGCGGGGGGGCCGGGGCCGGCGGGGCGC
ACGGGCAGGGCAGGTGCGGGCTGACGCCGAGCGGAGGGGAAGTGAAGCTGGCGCTGCTGCTGGCCGC
CGTGGGCGCCACGCTGGCGGTGCTGTCCGTGGGCACCGAGTTCGGGTGGAGCTCAACACCTACAAGGCC
AACGGCAGCGCCGTGTGCGAAGCGGCCACCTGGGGCTGTGGAAGCGTGCACCAAGCGGCTGTGGCAGG
CGGACGTGCCCGTGGACAGGGACACCTGCGGCCCGCGGAGCTGCCCGGAGAAGCAAACTGCACCTATTT
TAAATTCTTACCACGGGGGAGAATGCACGCATCTTTCAGAGAACCACAAAGAAAGCCTGCTGCTCTTG
GTGAGCCTGGAGGTGTTCCGGCATTCCGTGAGGGCCCTGCTGCAGAGAGTCAGCCCGGAGCCTCCCCGG
CCCCACGCCTCACCTACGAGTACTCCTGGTCCCTGGGCTGCGGCGTGGGGCCGGCCTGATCCTGCTGT
GGGGGCCGGTCTTTCTGCTGCTCACACTGCCTTCTGGCCCTGGGGTCCCTCTGTCCCAAGCGGGG
CACCGGGCCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217298 representing NM_145815
Red=Cloning site Green=Tags(s)

MMWSNFFLQEENRRRGAAGRRRAHGQGRSGLTPEREGKVKLALLLAAVGATLAVLSVGTEFWVELNTYKA
NGSAVCEAAHLGLWKACTKRLWQADVPVDRDTCGPAELPGEANCTYFKFFTGENARIFQRTTKGLLLL
VSLEVFRHSVRALLQRVSPEPPPAPRLTYEYSWSLGCVGAGLILLLGAGCFLLLTLPSPWPWGLCPKRG
HRAT

TRTRPLE - GFP Tag - V



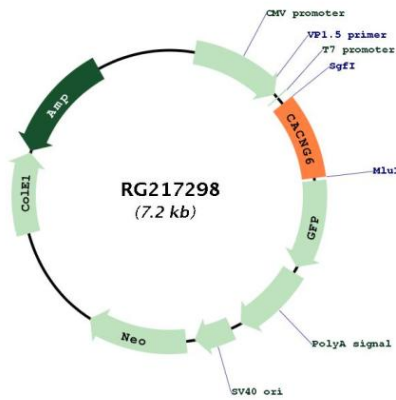
Cytogenetics: 19q13.42

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

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway

Gene Summary: Voltage-dependent calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of two known gamma subunit proteins. This particular gamma subunit is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members that function as transmembrane AMPA receptor regulatory proteins (TARPs). Alternative splicing results in multiple transcript variants. Variants in this gene have been associated with aspirin-intolerant asthma. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RG217298