

Product datasheet for RC217518L4V

OriGene Technologies, Inc.

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Kir2.1 (KCNJ2) (NM_000891) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Kir2.1 (KCN|2) (NM 000891) Human Tagged ORF Clone Lentiviral Particle

Symbol: Kir2.1

Synonyms: ATFB9; HHBIRK1; HHIRK1; IRK1; KIR2.1; LQT7; SQT3

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_000891 **ORF Size:** 1281 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC217518).

Sequence:

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.

RefSeg: NM 000891.2

 RefSeq Size:
 5397 bp

 RefSeq ORF:
 1284 bp

 Locus ID:
 3759

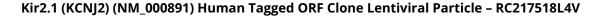
 UniProt ID:
 P63252

Cytogenetics: 17q24.3

Domains: IRK

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





ORIGENE

MW: 48.1 kDa

Gene Summary:

Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Mutations in this gene have been associated with Andersen syndrome, which is characterized by periodic paralysis, cardiac arrhythmias, and dysmorphic features. [provided by RefSeq, Jul 2008]