

Product datasheet for RC210938L4V

OriGene Technologies, Inc.

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GIRK2 (KCNJ6) (NM_002240) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: GIRK2 (KCNJ6) (NM_002240) Human Tagged ORF Clone Lentiviral Particle

Symbol: GIRK2

Synonyms: BIR1; GIRK-2; GIRK2; hiGIRK2; KATP-2; KATP2; KCNJ7; KIR3.2; KPLBS

Mammalian Cell

Selection:

Puromycin

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

Tag: mGFP

ACCN: NM_002240 **ORF Size:** 1269 bp

ORF Nucleotide

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Sequence:

The ORF insert of this clone is exactly the same as(RC210938).

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

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 002240.2

 RefSeq Size:
 2537 bp

 RefSeq ORF:
 1272 bp

 Locus ID:
 3763

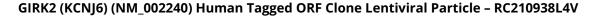
 UniProt ID:
 P48051

 Cytogenetics:
 21q22.13

Domains: IRK

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





MW: 48.5 kDa

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Gene Summary: This gene encodes a member of the G protein-coupled inwardly-rectifying potassium channel

family of inward rectifier potassium channels. This type of potassium channel allows a greater flow of potassium into the cell than out of it. These proteins modulate many physiological processes, including heart rate in cardiac cells and circuit activity in neuronal cells, through G-protein coupled receptor stimulation. Mutations in this gene are associated with Keppen-Lubinsky Syndrome, a rare condition characterized by severe developmental delay, facial dysmorphism, and intellectual disability. [provided by RefSeq, Apr 2015]