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Product datasheet for RC217518L4V

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

Product data:

Product Type:	Lentiviral Particles
Product Name:	Kir2.1 (KCNJ2) (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 Sequence:	The ORF insert of this clone is exactly the same as(RC217518).
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.
RefSeq:	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

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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]