

Product datasheet for RC222272L3V

OriGene Technologies, Inc.

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KIR2.3 (KCNJ4) (NM_004981) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: KIR2.3 (KCNJ4) (NM_004981) Human Tagged ORF Clone Lentiviral Particle

Symbol: KIR2.3

Synonyms: HIR; HIRK2; HRK1; IRK-3; IRK3; Kir2.3

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

 Tag:
 Myc-DDK

 ACCN:
 NM_004981

ORF Size: 1335 bp

Sequence:

ORF Nucleotide

Cytogenetics:

The ORF insert of this clone is exactly the same as(RC222272).

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 004981.1, NP 004972.1

22q13.1

 RefSeq Size:
 1913 bp

 RefSeq ORF:
 1338 bp

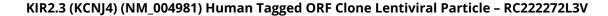
 Locus ID:
 3761

 UniProt ID:
 P48050

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

MW: 49.5 kDa







Gene Summary:

Several different potassium channels are known to be involved with electrical signaling in the nervous system. One class is activated by depolarization whereas a second class is not. The latter are referred to as inwardly rectifying K+ channels, and they have a greater tendency to allow potassium to flow into the cell rather than out of it. This asymmetry in potassium ion conductance plays a key role in the excitability of muscle cells and neurons. The protein encoded by this gene is an integral membrane protein and member of the inward rectifier potassium channel family. The encoded protein has a small unitary conductance compared to other members of this protein family. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]