

Product datasheet for **RC210180L2V**

KCNK2 (NM_014217) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KCNK2 (NM_014217) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCNK2
Synonyms:	hTREK-1c; hTREK-1e; K2p2.1; TPKC1; TREK; TREK-1; TREK1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_014217
ORF Size:	1233 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210180).
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_014217.2
RefSeq Size:	3274 bp
RefSeq ORF:	1236 bp
Locus ID:	3776
UniProt ID:	O95069
Cytogenetics:	1q41
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
MW:	45.5 kDa



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Gene Summary:

This gene encodes one of the members of the two-pore-domain background potassium channel protein family. This type of potassium channel is formed by two homodimers that create a channel that leaks potassium out of the cell to control resting membrane potential. The channel can be opened, however, by certain anesthetics, membrane stretching, intracellular acidosis, and heat. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]