

Product datasheet for **RC216225L2V**

KCNT2 (NM_198503) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KCNT2 (NM_198503) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCNT2
Synonyms:	EIEE57; KCa4.2; SLICK; SLO2.1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_198503
ORF Size:	3405 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216225).
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_198503.2 , NP_940905.2
RefSeq Size:	5909 bp
RefSeq ORF:	3408 bp
Locus ID:	343450
UniProt ID:	Q6UVM3
Cytogenetics:	1q31.3
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
MW:	130.3 kDa



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Gene Summary:

Outward rectifying potassium channel. Produces rapidly activating outward rectifier K(+) currents. Activated by high intracellular sodium and chloride levels (PubMed:14684870, PubMed:16687497, PubMed:29069600). Channel activity is inhibited by ATP and by inhalation anesthetics, such as isoflurane (PubMed:16687497) (By similarity). Inhibited upon stimulation of G-protein coupled receptors, such as CHRM1 and GRM1 (PubMed:16687497). [UniProtKB/Swiss-Prot Function]