

## Product datasheet for **RC207353L3V**

### KCND1 (NM\_004979) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	KCND1 (NM_004979) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCND1
Synonyms:	KV4.1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004979
ORF Size:	1941 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207353).
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. <a href="#">More info</a>
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:	<a href="#">NM_004979.4</a> , <a href="#">NP_004970.3</a>
RefSeq Size:	4720 bp
RefSeq ORF:	1944 bp
Locus ID:	3750
UniProt ID:	<a href="#">Q9NSA2</a>
Cytogenetics:	Xp11.23
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
MW:	71.3 kDa



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**Gene Summary:**

This gene encodes a multipass membrane protein that comprises the pore subunit of the voltage-gated A-type potassium channel, which functions in the repolarization of membrane action potentials. Activity of voltage-gated potassium channels is important in a number of physiological processes, among them the regulation of neurotransmitter release, heart rate, insulin secretion, and smooth muscle contraction. [provided by RefSeq, Aug 2013]