

## Product datasheet for **RC228623L3V**

### KCNQ5 (NM\_001160133) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	KCNQ5 (NM_001160133) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCNQ5
Synonyms:	Kv7.5; MRD46
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001160133
ORF Size:	2853 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228623).
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_001160133.1</a>
RefSeq ORF:	2856 bp
Locus ID:	56479
UniProt ID:	<a href="#">Q9NR82</a>
Cytogenetics:	6q13
Protein Families:	Druggable Genome, Ion Channels: Potassium, Transmembrane
MW:	104.4 kDa



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**Gene Summary:**

This gene is a member of the KCNQ potassium channel gene family that is differentially expressed in subregions of the brain and in skeletal muscle. The protein encoded by this gene yields currents that activate slowly with depolarization and can form heteromeric channels with the protein encoded by the KCNQ3 gene. Currents expressed from this protein have voltage dependences and inhibitor sensitivities in common with M-currents. They are also inhibited by M1 muscarinic receptor activation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]