

Product datasheet for **RC221094L3V**

KCNU1 (NM_001031836) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KCNU1 (NM_001031836) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KCNU1
Synonyms:	KCa5; KCa5.1; Kcnma3; KCNMC1; Slo3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001031836
ORF Size:	3447 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221094).
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_001031836.2
RefSeq Size:	3756 bp
RefSeq ORF:	3450 bp
Locus ID:	157855
UniProt ID:	A8MYU2
Cytogenetics:	8p11.23
Protein Families:	Ion Channels: Potassium
MW:	129.4 kDa



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Gene Summary:

This gene encodes a member of the potassium channel family of proteins. The encoded voltage-gated ion channel allows the outward flow of potassium ions during plasma membrane hyperpolarization in sperm. Opening of this channel may be regulated by calcium ion levels. Homozygous knockout mice that lack the related mouse gene exhibit male sterility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]