

Product datasheet for **MR224899L4V**

Kcnu1 (NM_008432) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Kcnu1 (NM_008432) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kcnu1
Synonyms:	Kcnma3; mSlo3; Slo3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008432
ORF Size:	3363 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224899).
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_008432.3 , NP_032458.3
RefSeq Size:	3548 bp
RefSeq ORF:	3366 bp
Locus ID:	16532
UniProt ID:	O54982
Cytogenetics:	8 A2



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Gene Summary:

Testis-specific potassium channel activated by both intracellular pH and membrane voltage that mediates export of K(+). Represents the primary spermatozoan K(+) current. In contrast to KCNMA1/SLO1, it is not activated by Ca(2+) or Mg(2+). Critical for fertility. May play an important role in sperm osmoregulation required for the acquisition of normal morphology and motility when faced with osmotic challenges, such as those experienced after mixing with seminal fluid and entry into the vagina.[UniProtKB/Swiss-Prot Function]