

Product datasheet for **MR226841L4V**

Kcnn4 (NM_001163510) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Kcnn4 (NM_001163510) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kcnn4
Synonyms:	IK1; IKCA1; KCa3.1; KCA4; mIKCa1; SK4; SKCas
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001163510
ORF Size:	1275 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226841).
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_001163510.1 , NP_001156982.1
RefSeq Size:	2041 bp
RefSeq ORF:	1278 bp
Locus ID:	16534
UniProt ID:	O89109
Cytogenetics:	7 A3



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Gene Summary:

Forms a voltage-independent potassium channel that is activated by intracellular calcium (PubMed:9705284). Activation is followed by membrane hyperpolarization which promotes calcium influx. Required for maximal calcium influx and proliferation during the reactivation of naive T-cells (PubMed:20884616). Plays a role in the late stages of EGF-induced macropinocytosis (By similarity).[UniProtKB/Swiss-Prot Function]