

## Product datasheet for **MR218587L3V**

### **Kcnh3 (NM\_010601) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Kcnh3 (NM_010601) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Kcnh3
Synonyms:	AU019351; C030044P22Rik; Elk; Elk2; Kv12.2; Melk; Melk2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_010601
ORF Size:	3285 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218587).
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_010601.3</a>
RefSeq Size:	3583 bp
RefSeq ORF:	3288 bp
Locus ID:	16512
UniProt ID:	<a href="#">Q9WVJ0</a>
Cytogenetics:	15 F1


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**Gene Summary:**

The protein encoded by this gene is a voltage-gated potassium channel alpha subunit predominantly expressed in the forebrain. An increase in cognitive function was observed when this gene was knocked out, while deletion of the gene resulted in hippocampal hyperexcitability and epilepsy. [provided by RefSeq, Sep 2015]