

## Product datasheet for **RR210565L4V**

### Lgi1 (NM\_145769) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Lgi1 (NM_145769) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Lgi1
Synonyms:	MGC105310
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145769
ORF Size:	1671 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR210565).
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_145769.3</a> , <a href="#">NP_665712.1</a>
RefSeq Size:	1674 bp
RefSeq ORF:	1674 bp
Locus ID:	252892
UniProt ID:	<a href="#">Q8K4Y5</a>
Cytogenetics:	1q53



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**Gene Summary:**

Plays a role in suppressing the production of MMP1/3 through the phosphatidylinositol 3-kinase/ERK pathway (By similarity). Regulates voltage-gated potassium channels assembled from KCNA1, KCNA4 and KCNAB1. It slows down channel inactivation by precluding channel closure mediated by the KCNAB1 subunit. Ligand for ADAM22 that positively regulates synaptic transmission mediated by AMPA-type glutamate receptors.[UniProtKB/Swiss-Prot Function]