

Product datasheet for **MR219234L4V**

Grik2 (NM_00111268) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

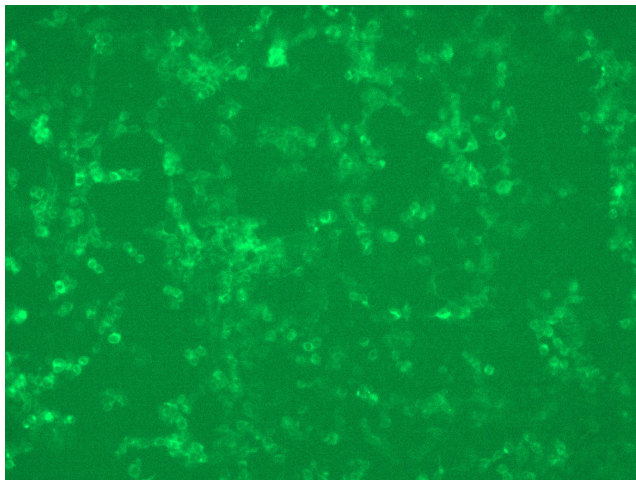
Product Type:	Lentiviral Particles
Product Name:	Grik2 (NM_00111268) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Grik2
Synonyms:	AW124492; C130030K03Rik; Glu; GluK2; Glur; Glur-6; Glur6; Glurbe; Glurbeta2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_00111268
ORF Size:	2724 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219234).
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_00111268.1
RefSeq Size:	4785 bp
RefSeq ORF:	2727 bp
Locus ID:	14806
Cytogenetics:	10 24.87 cM



[View online »](#)

Gene Summary:

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been found for this gene. [provided by RefSeq, Jul 2008]

Product images:

[MR219234L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR219234L4V particle to overexpress human Grik2-mGFP fusion protein.