

Product datasheet for **RR200121L4V**

Grik3 (NM_00112716) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Grik3 (NM_00112716) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Grik3
Synonyms:	GluK3; gluR-7; GluR7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_00112716
ORF Size:	2757 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200121).
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_00112716.1 , NP_001106187.1
RefSeq Size:	3594 bp
RefSeq ORF:	2760 bp
Locus ID:	298521
UniProt ID:	P42264
Cytogenetics:	5q36



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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. Compared to other kainate or AMPA receptors, this subunit exhibits a lower sensitivity to glutamate, and thus may play a unique role in neurotransmission in the brain. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]