

## Product datasheet for **RC224695L4V**

### **GRIK5 (NM\_002088) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	GRIK5 (NM_002088) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GRIK5
Synonyms:	EAA2; GluK5; GRIK2; KA2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002088
ORF Size:	2940 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224695).
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_002088.4</a> , <a href="#">NP_002079.3</a>
RefSeq Size:	3551 bp
RefSeq ORF:	2943 bp
Locus ID:	2901
UniProt ID:	<a href="#">Q16478</a>
Cytogenetics:	19q13.2
Domains:	lig_chan, ANF_receptor
Protein Families:	Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane



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**Protein Pathways:** Neuroactive ligand-receptor interaction

**MW:** 109.3 kDa

**Gene Summary:** This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]