

Product datasheet for **MR223608L4V**

Grid2 (NM_008167) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Grid2 (NM_008167) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Grid2
Synonyms:	B230104L07Rik; cpr; GluD2; GluRdelta2; ho; Lc; Lç MMS10-AC; Ms10ac; nmf408; tpr
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008167
ORF Size:	3021 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223608).
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_008167.2
RefSeq Size:	3024 bp
RefSeq ORF:	3024 bp
Locus ID:	14804
UniProt ID:	Q61625
Cytogenetics:	6 29.77 cM



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Gene Summary:

Receptor for glutamate. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists. Promotes synaptogenesis and mediates the D-Serine-dependent long term depression signals and AMPA receptor endocytosis of cerebellar parallel fiber-Purkinje cell (PF-PC) synapses through the beta-NRX1-CBLN1-GRID2 triad complex.[UniProtKB/Swiss-Prot Function]