

Product datasheet for **MR225914L4V**

Grm2 (NM_001160353) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Grm2 (NM_001160353) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Grm2
Synonyms:	4930441L02Rik; Gprc1b; mGluR2; mGluR7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001160353
ORF Size:	2616 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225914).
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_001160353.1 , NP_001153825.1
RefSeq Size:	3338 bp
RefSeq ORF:	2619 bp
Locus ID:	108068
UniProt ID:	Q14BI2
Cytogenetics:	9 F1



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Gene Summary:

G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling inhibits adenylate cyclase activity. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization.[UniProtKB/Swiss-Prot Function]