

Product datasheet for **MR227391L4V**

Grm5 (NM_001143834) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Grm5 (NM_001143834) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Grm5
Synonyms:	6430542K11Rik; AI850523; Glu5R; Gprc1e; mGluR5; mGluR5b
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001143834
ORF Size:	3609 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227391).
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_001143834.1 , NP_001137306.1
RefSeq Size:	8524 bp
RefSeq ORF:	3612 bp
Locus ID:	108071
UniProt ID:	Q3UVX5
Cytogenetics:	7 D3


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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 activates a phosphatidylinositol-calcium second messenger system and generates a calcium-activated chloride current. Plays an important role in the regulation of synaptic plasticity and the modulation of the neural network activity (By similarity).[UniProtKB/Swiss-Prot Function]