

Product datasheet for **MR223498L4V**

Grm1 (NM_016976) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Grm1 (NM_016976) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Grm1
Synonyms:	4930455H15Rik; ENSMUSG00000075319; Gm10828; Gprc1a; mGluR1; nmf373; rcw; wob1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016976
ORF Size:	3597 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223498).
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_016976.3 , NP_058672.1
RefSeq Size:	6922 bp
RefSeq ORF:	3600 bp
Locus ID:	14816
UniProt ID:	P97772
Cytogenetics:	10 A1



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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. May participate in the central action of glutamate in the CNS, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum (By similarity).[UniProtKB/Swiss-Prot Function]