

Product datasheet for **MR222607L4V**

Gpr55 (NM_001033290) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gpr55 (NM_001033290) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gpr55
Synonyms:	CTFL; Gm218; Lpir1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033290
ORF Size:	981 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222607).
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_001033290.2 , NP_001028462.2
RefSeq Size:	2550 bp
RefSeq ORF:	984 bp
Locus ID:	227326
UniProt ID:	Q3UJF0
Cytogenetics:	1 C5



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Gene Summary:

Receptor for L-alpha-lysophosphatidylinositol (LPI). LPI induces Ca(2+) release from intracellular stores via the heterotrimeric G protein GNA13 and RHOA (By similarity). Putative cannabinoid receptor (By similarity). May play a role in bone physiology by regulating osteoclast number and function (By similarity). May be involved in hyperalgesia associated with inflammatory and neuropathic pain.[UniProtKB/Swiss-Prot Function]