

Product datasheet for **MR209933L4V**

Gpsm2 (NM_029522) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gpsm2 (NM_029522) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gpsm2
Synonyms:	6230410J09Rik; LGN; Pins
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029522
ORF Size:	2019 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209933).
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_029522.1 , NP_083798.1
RefSeq Size:	3510 bp
RefSeq ORF:	2040 bp
Locus ID:	76123
UniProt ID:	Q8VDU0
Cytogenetics:	3 F3



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Gene Summary:

Plays an important role in mitotic spindle pole organization via its interaction with NUMA1 (PubMed:21816348). Required for cortical dynein-dynactin complex recruitment during metaphase (By similarity). Plays a role in metaphase spindle orientation (By similarity). Plays an important role in asymmetric cell divisions (PubMed:12571286, PubMed:21816348). Has guanine nucleotide dissociation inhibitor (GDI) activity towards G(i) alpha proteins, such as GNAI1 and GNAI3, and thereby regulates their activity (PubMed:22952234).[UniProtKB/Swiss-Prot Function]