

## Product datasheet for **MR219980L4V**

### Gramd2 (NM\_001033498) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Gramd2 (NM_001033498) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gramd2
Synonyms:	BC064463; Gramd2a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033498
ORF Size:	939 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219980).
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. <a href="#">More info</a>
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:	<a href="#">NM_001033498.1</a>
RefSeq Size:	1368 bp
RefSeq ORF:	939 bp
Locus ID:	546134
UniProt ID:	<a href="#">Q3V3G7</a>
Cytogenetics:	9 B



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**Gene Summary:**

Participates in the organization of endoplasmic reticulum-plasma membrane contact sites (EPCS) with pleiotropic functions including STIM1 recruitment and calcium homeostasis. Constitutive tether that co-localize with ESYT2/3 tethers at endoplasmic reticulum-plasma membrane contact sites in a phosphatidylinositol lipid-dependent manner. Pre-marks the subset of phosphatidylinositol 4,5-bisphosphate (PI(4,5)P<sub>2</sub>)-enriched EPCS destined for the store operated calcium entry pathway (SOCE). [UniProtKB/Swiss-Prot Function]