

Product datasheet for **RR200162L3V**

Gpsm1 (NM_144745) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gpsm1 (NM_144745) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Gpsm1
Synonyms:	Ags3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_144745
ORF Size:	2019 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200162).
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_144745.2 , NP_653346.2
RefSeq Size:	3425 bp
RefSeq ORF:	2022 bp
Locus ID:	246254
UniProt ID:	Q9R080
Cytogenetics:	3p13



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Gene Summary:

Guanine nucleotide dissociation inhibitor (GDI) which functions as a receptor-independent activator of heterotrimeric G-protein signaling. Keeps G(i/o) alpha subunit in its GDP-bound form thus uncoupling heterotrimeric G-proteins signaling from G protein-coupled receptors. Controls spindle orientation and asymmetric cell fate of cerebral cortical progenitors. May also be involved in macroautophagy in intestinal cells. May play a role in drug addiction. [UniProtKB/Swiss-Prot Function]