

Product datasheet for **MR219094L4V**

Agpat9 (Gpat3) (NM_172715) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Agpat9 (Gpat3) (NM_172715) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gpat3
Synonyms:	1-AGPAT; 1-AGPAT 9; 4933407I02Rik; 4933408F15; A230097K15Rik; GPAT-3; Gpat3; mGPAT3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172715
ORF Size:	1317 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219094).
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_172715.3
RefSeq Size:	2877 bp
RefSeq ORF:	1317 bp
Locus ID:	231510
UniProt ID:	Q8C0N2
Cytogenetics:	5 E4



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Gene Summary:

Converts glycerol-3-phosphate to 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) by incorporating an acyl moiety at the sn-1 position of the glycerol backbone (PubMed:17170135). Also converts LPA into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (By similarity).[UniProtKB/Swiss-Prot Function]