

Product datasheet for **MR207278L4V**

Gpat4 (NM_018743) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gpat4 (NM_018743) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gpat4
Synonyms:	Agpat6; AU041707; AW545732; Tsarg7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018743
ORF Size:	1371 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207278).
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_018743.2
RefSeq Size:	3944 bp
RefSeq ORF:	1371 bp
Locus ID:	102247
UniProt ID:	Q8K2C8
Cytogenetics:	8 A2



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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:18238778). Active against both saturated and unsaturated long-chain fatty acyl-CoAs (By similarity).[UniProtKB/Swiss-Prot Function]