

## Product datasheet for **MR205612L4V**

### Agpat5 (NM\_026792) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Agpat5 (NM_026792) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Agpat5
Synonyms:	1110013A05Rik; D8Ertd319e
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026792
ORF Size:	1098 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205612).
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_026792.3</a> , <a href="#">NP_081068.1</a>
RefSeq Size:	3829 bp
RefSeq ORF:	1098 bp
Locus ID:	52123
UniProt ID:	<a href="#">Q9D1E8</a>
Cytogenetics:	8 10.3 cM



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**Gene Summary:**

Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or 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 (PubMed:15367102). Acts on LPA containing saturated or unsaturated fatty acids C15:0-C20:4 at the sn-1 position using C18:1-CoA as the acyl donor (By similarity). Also acts on lysophosphatidylethanolamine using oleoyl-CoA, but not arachidonoyl-CoA, and lysophosphatidylinositol using arachidonoyl-CoA, but not oleoyl-CoA (By similarity). Activity toward lysophosphatidylglycerol not detectable (By similarity). [UniProtKB/Swiss-Prot Function]