

Product datasheet for **MR225901L3V**

Pla2g15 (NM_133792) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pla2g15 (NM_133792) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pla2g15
Synonyms:	ACS; C87498; LLPL; Lpla2; Lypla3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_133792
ORF Size:	1236 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225901).
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_133792.2
RefSeq Size:	2721 bp
RefSeq ORF:	1239 bp
Locus ID:	192654
UniProt ID:	Q8VEB4
Cytogenetics:	8 D3



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Gene Summary:

Has transacylase and calcium-independent phospholipase A2 activity. Catalyzes the formation of 1-O-acyl-N-acetylsphingosine and the concomitant release of a lyso-phospholipid (PubMed:11790796, PubMed:16106046, PubMed:16880524, PubMed:19017977, PubMed:20410020). Has high activity with 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine (POPC) and 1,2-dioleoyl-sn-glycero-3-phosphocholine (DOPC), catalyzing the transfer of oleic acid to N-acetyl-sphingosine (PubMed:16880524). Required for normal phospholipid degradation in alveolar and peritoneal macrophages and in spleen (PubMed:16880524, PubMed:19017977).[UniProtKB/Swiss-Prot Function]