

Product datasheet for **MR223610L4V**

Lpin1 (NM_172950) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lpin1 (NM_172950) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lpin1
Synonyms:	4631420P06; fld; Kiaa0188; Lipin1; mKIAA0188
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172950
ORF Size:	2673 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223610).
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_172950.3 , NP_766538.2
RefSeq Size:	5482 bp
RefSeq ORF:	2676 bp
Locus ID:	14245
UniProt ID:	Q91ZP3
Cytogenetics:	12 7.9 cM



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Gene Summary:

Plays important roles in controlling the metabolism of fatty acids at different levels. Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis. Acts also as nuclear transcriptional coactivator for PPARGC1A/PPARA regulatory pathway to modulate lipid metabolism gene expression. Is involved in adipocyte differentiation. Isoform 1 is recruited at the mitochondrion outer membrane and is involved in mitochondrial fission by converting phosphatidic acid to diacylglycerol.[UniProtKB/Swiss-Prot Function]