

Product datasheet for **MR203848L4V**

Plpp1 (NM_008247) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Plpp1 (NM_008247) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Plpp1
Synonyms:	Hic53; Hpic53; LPP-1; LPP1; mPAP; PAP-2a; PAP2-alpha; PAP2a; Ppap2a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008247
ORF Size:	852 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203848).
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_008247.3 , NP_032273.1
RefSeq Size:	1629 bp
RefSeq ORF:	855 bp
Locus ID:	19012
UniProt ID:	Q61469
Cytogenetics:	13 D2.2



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Gene Summary:

Broad-specificity phosphohydrolase that dephosphorylates exogenous bioactive glycerolipids and sphingolipids. Catalyzes the conversion of phosphatidic acid (PA) to diacylglycerol (DG). In addition it hydrolyzes lysophosphatidic acid (LPA), diacyl glycerol pyrophosphate (DGPP), ceramide-1-phosphate (C-1-P) and sphingosine-1-phosphate (S-1-P). The relative catalytic efficiency is LPA > PA > C-1-P > S-1-P.[UniProtKB/Swiss-Prot Function]