

Product datasheet for **MR204441L3V**

Plpp3 (NM_080555) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Plpp3 (NM_080555) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Plpp3
Synonyms:	1110003O22Rik; 2610002D05Rik; AV025606; D4Bwg0538e; D4Bwg1535e; Lpp3; Ppab2b; Ppap2b
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_080555
ORF Size:	939 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204441).
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_080555.2 , NP_542122.1
RefSeq Size:	3162 bp
RefSeq ORF:	939 bp
Locus ID:	67916
UniProt ID:	Q99JY8
Cytogenetics:	4 49.18 cM



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Gene Summary:

Catalyzes the conversion of phosphatidic acid (PA) to diacylglycerol (DG). In addition it hydrolyzes lysophosphatidic acid (LPA), ceramide-1-phosphate (C-1-P) and sphingosine-1-phosphate (S-1-P) (By similarity). Essential to the formation of the chorioallantoic placenta and extraembryonic vasculature. Also mediates gastrulation and axis formation, probably by regulating the Wnt signaling pathway.[UniProtKB/Swiss-Prot Function]