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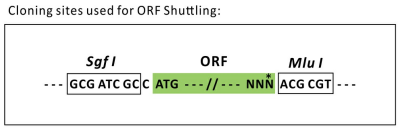
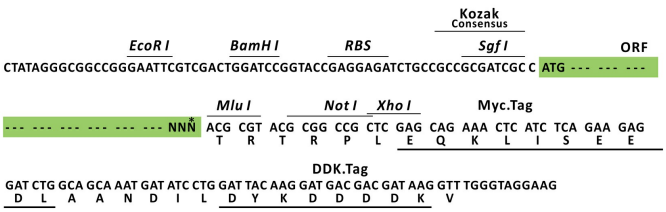
Product datasheet for MR204441L3

Plpp3 (NM_080555) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plpp3 (NM_080555) Mouse Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Plpp3
Synonyms:	1110003O22Rik; 2610002D05Rik; AV025606; D4Bwg0538e; D4Bwg1535e; Lpp3; Ppab2b; Ppap2b
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204441).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	





* The last codon before the Stop codon of the ORF.

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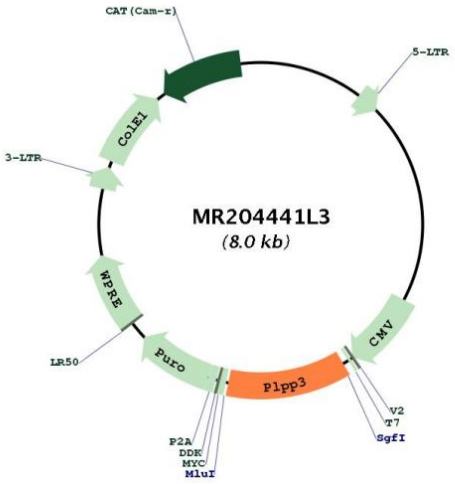
Plasmid Map:



ACCN:	NM_080555
ORF Size:	939 bp
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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
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
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]