

Product datasheet for MR204441L4

Plpp3 (NM_080555) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: Plpp3 (NM_080555) Mouse Tagged Lenti ORF Clone mGFP Tag: Symbol: Plpp3 1110003O22Rik; 2610002D05Rik; AV025606; D4Bwg0538e; D4Bwg1535e; Lpp3; Ppab2b; Synonyms: Ppap2b Mammalian Cell Puromycin Selection: Vector: pLenti-C-mGFP-P2A-Puro (PS100093) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(MR204441). **ORF** Nucleotide Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling:

ORF Safl Mlu I --- GCG ATC GCC ATG --- // --- NNN ACG CGT ---Kozak

								Conse	nsus	_				
E	Bam	нı		RE	35			S	gf I				OF	RF
ACT	GGAT	ccGG	ТАСС	GAG	GAGA	тсто	ccgc	cGCG	ATCG		rg			-
		_												
ACG	CGT	ACG	CGG	CCG	стс	GAG	ATG	AGC	GGG	GGC				
т	R	т	R	Р	L	E	_M	S	G	G	-	-		-
	асто МІ	ACTGGAT Mlu I	Mlu I ACG CGT ACG	ACTGGATCCGGTACC <u>Mlu I</u> ACG CGT ACG CGG	ACTGGATCCGGTACCGAGG Mlu I Not I ACG CGT ACG CGG CCG	ACTGGATCCGGTACCGAGGAGA Mlu1 Not1 XI	ACTGGATCCGGTACCGAGGAGATCTG Mlu 1 Not 1 Xho 1 ACG CGT ACG CGG CCG CTC GAG	BamHI	BamH1 RBS S ACTGGATCCGGTACCGAGGAGATCTGCCGCGCG Mlu1 Not1	ACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCG Mlu I Not I Xho I mGFP ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG	BamH1 RBS Sgf1 ACTGGATCCGGTACCGAGGAGGAGCTCGCCGCCGCGATCGC C A Mlu1 Not1 Xho1 mGFP Tag ACG CGT ACG CGG CCG CCG CCG GGC GGC GGG GGC GGG GGG CCG CCG CCC GAG ATG AGC GGG GGC	Consensus Consensus BamH1 RBS Sgf1 ACTGGATCCGGTACCGAGGAGGAGATCTGCCGCCGCGGATCGC C ATG Mlu1 Not1 Xho1 mGFP Tag ACG CGT ACG GGG CCG CTC GAG ATG AGC GGG GGC GGG CGT ACG GGG CCG CTC GAG ATG AGC GGG GGC	Consensus BamH1 RBS Sgf1 ACTGGATCCGGTACCGAGGAGGAGATCTGCCGCGCGGATCGC C ATG Mlu1 Not1 Xho1 mGFP Tag ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG GGC AGC GGT ACG GGG CCG CTC GAG ATG AGC GGG GGC	Consensus BamH1 RBS Sgf1 OF ACTGGATCCGGTACCGAGGAGAGATCTGCCGCGCGGATCGC C ATG ··· ·· ·· MG Mlu 1 Not 1 Xho 1 mGFP Tag ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG GGC ··· ·· ··· MGC GGT ACG GGG GGC ··· ·· ·· ··

GGA CTC AGA GTT TGG GTA GGA AGC G L R V

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

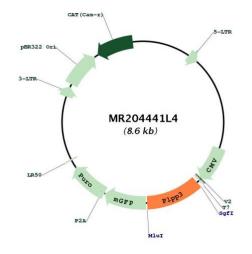


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Plasmid Map:



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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 080555.2, NP 542122.1</u>
RefSeq Size:	3162 bp
RefSeq ORF:	939 bp
Locus ID:	67916

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	Plpp3 (NM_080555) Mouse Tagged Lenti ORF Clone – MR204441L4
UniProt ID:	<u>Q99JY8</u>
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]

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