

Product datasheet for **RC224959L4V**

Phosphatidic acid phosphatase type 2B (PLPP3) (NM_177414) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Phosphatidic acid phosphatase type 2B (PLPP3) (NM_177414) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Phosphatidic acid phosphatase type 2B
Synonyms:	Dri42; LPP3; MGC15306; PAP-2b; PAP2-b; PAP2-beta; VCIP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177414
ORF Size:	933 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224959).
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_177414.1 , NP_803133.1
RefSeq Size:	3243 bp
RefSeq ORF:	935 bp
Locus ID:	8613
Cytogenetics:	1p32.2
Protein Families:	Druggable Genome, Transmembrane



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Protein Pathways: Ether lipid metabolism, Fc gamma R-mediated phagocytosis, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Sphingolipid metabolism

MW: 34.9 kDa

Gene Summary: The protein encoded by this gene is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. This protein is a membrane glycoprotein localized at the cell plasma membrane. It has been shown to actively hydrolyze extracellular lysophosphatidic acid and short-chain phosphatidic acid. The expression of this gene is found to be enhanced by epidermal growth factor in Hela cells. [provided by RefSeq, Mar 2010]