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# Product datasheet for RC224959L3

## Phosphatidic acid phosphatase type 2B (PLPP3) (NM_177414) Human Tagged Lenti ORF Clone

### Product data:

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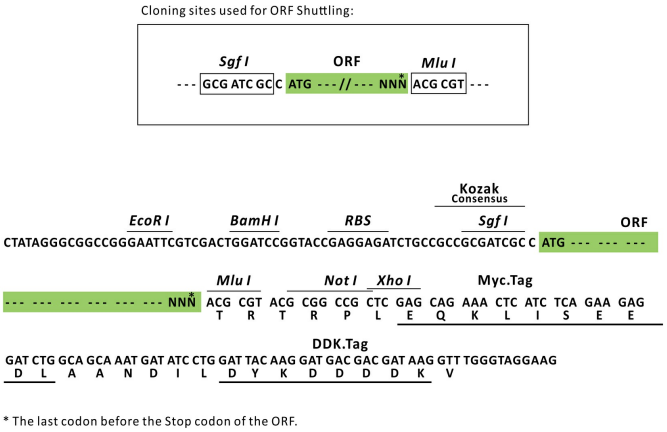
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Phosphatidic acid phosphatase type 2B (PLPP3) (NM_177414) Human Tagged Lenti ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Phosphatidic acid phosphatase type 2B |
| **Synonyms:** | Dri42; LPP3; MGC15306; PAP-2b; PAP2-b; PAP2-beta; VCIP |
| **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(RC224959). |
| **Restriction Sites:** | SgfI-MluI |
| **Cloning Scheme:** | |




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

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| **ACCN:** | NM_177414 |
| **ORF Size:** | 933 bp |



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| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_177414.1, NP_803133.1 |
| **RefSeq Size:** | 3243 bp |
| **RefSeq ORF:** | 935 bp |
| **Locus ID:** | 8613 |
| **Cytogenetics:** | 1p32.2 |
| **Protein Families:** | Druggable Genome, Transmembrane |
| **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] |