

Product datasheet for **RC212856L4V**

PLCZ1 (NM_033123) Human Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | PLCZ1 (NM_033123) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | PLCZ1 |
| Synonyms: | NYD-SP27; PLC-zeta-1; PLCzeta; SPGF17 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_033123 |
| ORF Size: | 1824 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC212856). |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| 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_033123.2 |
| RefSeq Size: | 2075 bp |
| RefSeq ORF: | 1827 bp |



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| Locus ID: | 89869 |
| UniProt ID: | Q86YW0 |
| Cytogenetics: | 12p12.3 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Calcium signaling pathway, Inositol phosphate metabolism, Metabolic pathways, Oocyte meiosis, Phosphatidylinositol signaling system |
| MW: | 70.2 kDa |
| Gene Summary: | <p>The protein encoded by this gene is a member of the phosphoinositide-specific phospholipase C family. Members in this family, classified into six isotypes that are tissue- and organ-specific, hydrolyze phosphatidylinositol 4,5-bisphosphate just before the phosphate group to yield diacylglycerol and inositol 1,4,5-trisphosphate. This protein localizes to the acrosome in spermatozoa and elicits Ca(2+) oscillations and egg activation during fertilization that leads to early embryonic development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]</p> |