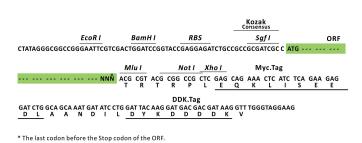


Product datasheet for RC206783L3

PLD3 (NM_001031696) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: PLD3 (NM 001031696) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: PLD3 Synonyms: AD19; HU-K4; HUK4; SCA46 **Mammalian Cell** Puromycin Selection: Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(RC206783). **ORF** Nucleotide Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Sqf I Mlu I



--- GCG ATC GC C ATG --- //--- NNN ACG CGT ---

ACCN: ORF Size: NM_001031696 1470 bp

OriGene Technologies, Inc.

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| ORIGENE PLD3 (I | NM_001031696) Human Tagged Lenti ORF Clone – RC206783L3 |
|------------------------|---|
| 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 001031696.1</u> |
| RefSeq Size: | 2207 bp |
| RefSeq ORF: | 1473 bp |
| Locus ID: | 23646 |
| UniProt ID: | <u>Q8IV08</u> |
| Cytogenetics: | 19q13.2 |
| Protein Families: | Transmembrane |
| MW: | 54.7 kDa |
| Gene Summary: | This gene encodes a member of the phospholipase D (PLD) family of enzymes that catalyze the hydrolysis of membrane phospholipids. The encoded protein is a single-pass type II membrane protein and contains two PLD phosphodiesterase domains. This protein influences processing of amyloid-beta precursor protein. Mutations in this gene are associated with Alzheimer disease risk. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Apr 2014] |

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