

## Product datasheet for **MR211273L3V**

### **Pld2 (BC068317) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Pld2 (BC068317) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pld2
Synonyms:	PLD1C
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	BC068317
ORF Size:	2832 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211273).
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. <a href="#">More info</a>
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:	<a href="#">BC068317.1</a>
RefSeq Size:	3671 bp
RefSeq ORF:	2834 bp
Locus ID:	18806
Cytogenetics:	11 42.99 cM



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**Gene Summary:**

This gene is a member of the phospholipase D (PLD) superfamily. The encoded protein catalyzes the hydrolysis of phosphatidylcholine to phosphatidic acid and choline. Phosphatidic acid is an essential intracellular lipid second messenger for many signaling pathways and has been implicated in a variety of physiological processes including cytoskeletal organization and cell proliferation. A similar gene in human may also function as a guanine nucleotide exchange factor (GEF) for the small GTPase Rac2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]