

Product datasheet for **RC229409L4V**

PLCL1 (NM_006226) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PLCL1 (NM_006226) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PLCL1
Synonyms:	PLCE; PLCL; PLDL1; PPP1R127; PRIP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006226
ORF Size:	3285 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229409).
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_006226.3
RefSeq ORF:	3288 bp
Locus ID:	5334
UniProt ID:	Q15111
Cytogenetics:	2q33.1
Domains:	C2, PI-PLC-X, PI-PLC-Y, PH
Protein Families:	Druggable Genome
MW:	122.5 kDa


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Gene Summary:

Involved in an inositol phospholipid-based intracellular signaling cascade. Shows no PLC activity to phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol. Component in the phospho-dependent endocytosis process of GABA A receptor (By similarity). Regulates the turnover of receptors and thus contributes to the maintenance of GABA-mediated synaptic inhibition. Its aberrant expression could contribute to the genesis and progression of lung carcinoma. Acts as an inhibitor of PPP1C.[UniProtKB/Swiss-Prot Function]