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Product datasheet for RG229409

PLCL1 (NM_006226) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLCL1 (NM_006226) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLCL1
Synonyms:	PLCE; PLCL; PLDL1; PPP1R127; PRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG229409 representing NM_006226
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGAGGGCGCGGCCGGCAGGGAGGATCCGGCGCCGCCCGACGCGGCGGGGGGCGAAGACGACCCCC
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TTGGGAAATCACTGCTCCTTGCCGCAGCAGAAGGTAATGGCTCAACAGATGAAAAAGGTCTTTGGCAATA
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CCAAGAGCAAGCGCAGCCTGGAAGCCATAGAGGAGAAGGAAAGTAGTGAGGAGAATGGGAAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG229409 representing NM_006226
Red=Cloning site Green=Tags(s)

MAEGAAGREDPAPPDAAGGEDDPRVGPDAAGDCVTAASGGRMRDRRSGVALPGAAGTPADSEAGLLEAAR
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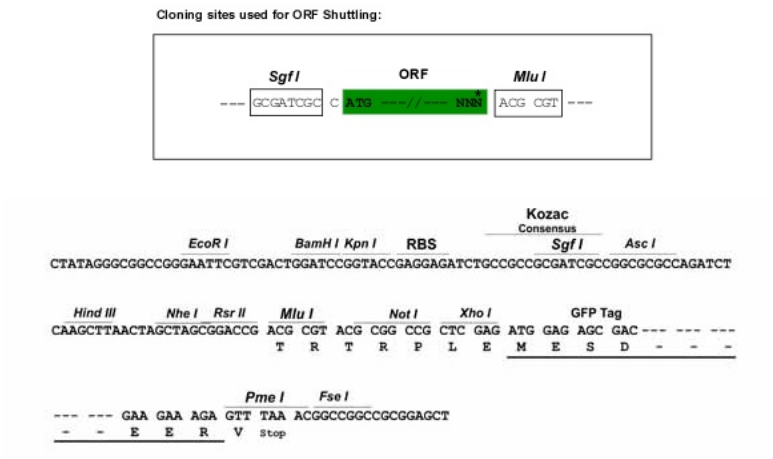
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_006226
ORF Size:	3285 bp
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. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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_006226.4
RefSeq Size:	6608 bp
RefSeq ORF:	3288 bp
Locus ID:	5334
UniProt ID:	Q15111

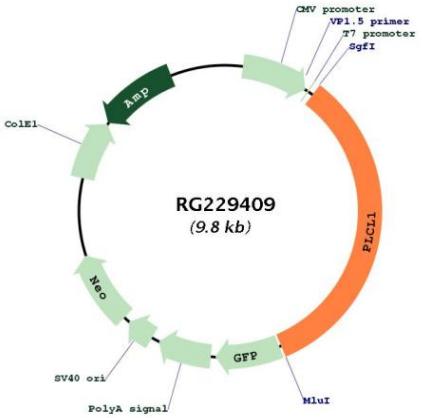
Cytogenetics: 2q33.1

Domains: C2, PI-PLC-X, PI-PLC-Y, PH

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG229409