

## Product datasheet for MR231633

### Plcb2 (NM\_001290790) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plcb2 (NM_001290790) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plcb2
Synonyms:	A1550384; B230205M18Rik; B230399N12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231633 representing NM_001290790 Red=Cloning site Blue=ORF Green=Tags(s)

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CAGGCCTGGAGGTGACAGCTTATGAGGAAATGTCCAGCCTTGTC AATTATATCCAGCCCACCAAGTTTAT  
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Protein Sequence: >MR231633 representing NM\_001290790  
 Red=Cloning site Green=Tags(s)

MSLLNPVLLPPNVKAYLSQGERFIKWDDETSIASPVILRVDPKGYLLWYTYQNQSQKLREVFNMDFPDNH  
 FLLKTLTVVSGPDMVDLTFYNFVSYKENVGKDWAEVDLALAKHPMTVNAPRSTFLDKILVKLKMQLNPEG  
 KIPVKNFFQMFPADKRKVEAALGACHLAKGKNDAINPEDFPESVYKSFLMSLCPRPEIDEIFTSYHSKAK  
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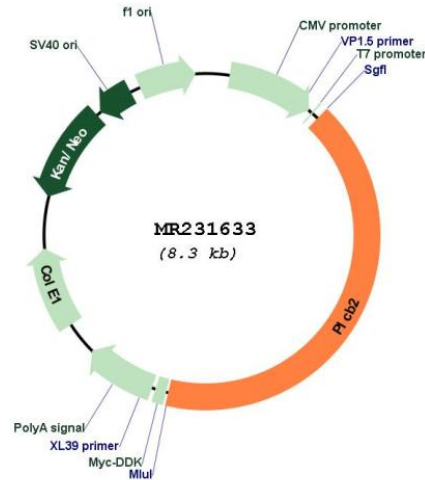
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001290790

ORF Size: 3474 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\\_001290790.1](#), [NP\\_001277719.1](#)

RefSeq Size: 5091 bp

RefSeq ORF: 3477 bp

Locus ID: 18796

UniProt ID: [A3KGF7](#)

Cytogenetics: 2 59.43 cM

**MW:** 132.3 kDa

**Gene Summary:** The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. This protein may be involved in the transduction of bitter taste stimuli (By similarity).[UniProtKB/Swiss-Prot Function]