

Product datasheet for **MC223962**

Plcb1 (NM_001145830) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plcb1 (NM_001145830) Mouse Untagged Clone
Tag: Tag Free
Symbol: Plcb1
Synonyms: 3110043I21Rik; AI132408; mKIAA0581; Plcb
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC223962 representing NM_001145830
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGGGCTCAGCCCGGAGTGCACGCCTTGCAACTCAAGCCCGTGTGCGTGTCCGACAGCCTCAAGA
AGGGCACCAAATTCGTCAAGTGGGATGATGACTCCACTATTGTTACTCCAATTATTTTGAGGACTGATCC
TCAGGGATTTTTCTTTACTGGACAGACCAGAATAAGGAGACGGAGCTGTTAGATCTCAGCCTTGTCAAG
GATGCCAGGTGTGGGAAGCACGCCAAAGCTCCCAAGACCCCAAGTTGCGTGAACCTCTGGATGTTGGGA
ACATCGGACACTTGAACAGCGCATGATAACTGTGGTGTATGGACCAGACCTGGTGAACATTTCCCACTT
GAATCTTGTGGCTTTTCAAGAGGAAGTAGCCAAGGAATGGACAAATGAGGTTTTCAAGCTTGCAACAAC
CTGCTGGCTCAGAACATGTCCAGGGACGCATTTCTGGAGAAAGCATATACTAAGCTCAAGCTCCAGGTCA
CCCCAGAAGCCGCATTCTCTTAAAAACATCTATCGATTGTTCTCAGCAGACCCGGAAGCGGTTGAAAC
TGCACTAGAGGCTTGTAGTCTTCCATCTTCGAGGAATGACTCCATTCCCAAGAGGACTTCACTCCAGAT
GTATACAGAGTTTTCTGAACAATCTCTGTCCCGACCTGAAATTGATAACATCTTTTCTGAATTTGGT
CCAAAAGCAAACCGTACCTGACGGTTGATCAGATGATGGATTTTATCAACCTTAAGCAGAGAGATCCCCG
GCTCAATGAAATCCTTTACCCACCTCTGAAGCAGGAGCAGGTCCAAGTGTGATTGAGAAATATGAGCCC
AACAGCAGCCTCGCCAAGAAAGGGCAGATGTCAGTGGATGATTGATGCGCTACCTGAGCGGAGAAGAAA
ATGGAGTCGTTTACCTGAGAACTGGATTTGAACGAAGACATGTCTCAGCCCTGTCTCACTATTTTCAT
CAATTCCTCGACAACACCTACCTCACAGCTGGCCAGTTGGCTGGAACTCGTCTGTAGAGATGTATCGC
CAGGTGCTTCTGTCTGGATGTCGCTGTGTGGAGCTGGACTGCTGGAAGGGAAGGACCCGCTGAGGAAGAGC
CTGTCAATACCCATGGATTACCATGACAACAGAAATATCCTTCAAGGAAGTCATAGAAGCCATCGCAGA
GTGTGCGTTCAAGACGTCTCCTTTCCCATCTCCTTTTCTTTGAGAACCAGTGGATTTCCCGAAGCAA
CAAGCCAAGATGGCCGAGTATTGCCGATTAATCTTTGGTGTATGCCCTCTGATGGAACCACTGGAAAAAT
ACCCACTGGAATCTGGGTACCTCTTCCAAGCCATATGGATTTAATGTATAAAATCTTGGTAAAAACAA
GAAGAAGTCGCACAAGTCGTGAGAGGAAGTGGTAAGAAGAAGCTTTCAGAGCAAGCTTCCAACACCTAC



AGCGACTCCTCCAGTGTGTTTCGAGCCTTCGTCTCCAGGAGCTGGGGAAGCAGATACGGAGAGTGATGACG
 ATGACGACGACGATGACTGTAAAAAGTCTTCCATGGATGAGGGGACAGCTGGCAGCGAAGCCATGGCCAC
 AGAAGAGATGTCTAACCTGGTGAACATAATTCAGCCTGTCAAGTTTGAGTCTTTGAAATTTCAAAAAA
 AGAAATAAAAGCTTTGAAATGTCTTCTTCGTGGAAACCAAGGACTTGAACAACCTACAAAAGTCTCCGG
 TGGAAATTTGTAGAATAACAACAAGATGCAACTTAGCAGGATATATCCCAAGGGAACACGTGTGGATTATC
 CAACTACATGCCTCAACTCTTCTGGAATGCTGGCTGTAGATGGTGGCGCTCAACTTCCAGACAGTGGAT
 CTAGCTATGCAGATAAACATGGGCATGTATGAGTACAATGGGAAGAGCGGCTATAGGCTGAAGCCAGAGT
 TCATGAGGAGGCCGGACAAGCATTGATCCATTTACTGAAGGAATCGTAGATGGGATAGTGCCAACAC
 TCTATCTGTAAAGATTATTTTCAGGTCAGTTCCTCTCTGATAAGAAAGTTGGGACTTATGTGGAAGTGGAT
 ATGTTTGGCTTGCTGTGGACACAAGGAGGAAGGCATTTAAAACCAAGACATCCCAAGGAAATGCTGTAA
 ACCCTGTCTGGGAAGAAGAACCTATTGTATTCAAAAAGGTAGTTCTACCTTCTCTGGCCTGTTTGGAGT
 AGCAGCATATGAAGAGGGAGGCAAATTTATTGGCCACCGGATATTGCCTGTGCAGGCTATTCGGCCAGGC
 TATCACTACATCTGCCTGCGGAATGAGAGGAACCGCCCTGACGCTGCCAGCTGTCTTTGTCTACATAG
 AAGTCAAAGATTATGTGCCAGACAGTATGCAGATGTAATCGAAGCTCTATCAAACCCAATCCGATATGT
 CAATCTGATGGAACAGAGAGCTAAGCAGCTGGCTGCGTTGACCTGGAGGATGAAGAGGAAGTAAAGAAG
 GAGGCTGACCCTGGAGAAACATCTCCGAGGCTCCAAGCGAAACAGGACAACGCCAGCAGAGAATGGGG
 TGAATCACACCGCATCCCTTGCACCCAAGCCGCTTCCAGGCTCCACACAGCCAGCCTGCTCCAGGGTC
 TGTGAAGGCACCTGCCAAAACAGAAATCTGATCCAGAGCGTGTAAACAGAAAGTAGAGGCGCAAACCATC
 GAAGAGCTCAAGCAACAGAAATCGTTTCGTGAAACTTCAAAGAAACACTCAAAGAAATGAAAGACCTGG
 TGAAGAGACACCACAAGAAAACCGAGCTCATTAAAGGAGCACACGACCAAGTACAACGAGATTCAGAA
 TGACTACCTGAGAAGGAGGGCAGCCTTGAGAAAGTCCGCCAAAAGGACAGCAAGAAGAAATCTGAACCC
 AGCAGCCCTGACCACGGCTCATCAGCCATTGAGCAAGACCTCGCTGCCCTGGATGCAGAAATGACTCAGA
 AGTTGATAGACTTGAAGACAAGCAACAACAGCAGCTGCTTAATCTTCGGCAAGAGCAGTATTACAGCGA
 GAAGTACCAAAAAGCGAGAACACATTAAGTCTTATTGAGAAAGTTGACAGATGTTGCAGAAAGAGTGTGAG
 AACAAATCAGTTAAAGAAGCTGAAGGAAATCTGCGAGAAAGAGAAGGAATTAAGAAGAAAATGGATA
 AGAAGAGGCAAGAGAAGATAACAGAAGCAAGTCCAAAGACAAAAGCCAGATGGAAGAGGAGAAGACAGA
 GATGATCCGATCGTACATCCAGGAGGTGGTTCAGTACATCAAGAGGTTAGAGGAAGCACAAAGTAAAGA
 CAAGAAAACCTCGTGGAGAAACACAATGAGATCCGCCAGCAGATCCTCGATGAGAAGCCCAAGCTGCAGA
 CGGAGCTGGAGCAAGAATACCAAGACAAGTTCAAAGGCTGCCCTGGAGATTCTGGAGTTTGTACAGGA
 AGCCATGAAAGGGAAGATCAGCGAGGACAGCAATCACGGCTCTGCCCTCCCTCTCTGGCCTCAGATGCT
 GCAAAGGTGAACCTCAAGTCTCCCTCCAGTGGAGATAGAAAGAGAGAACCAGGAAGAGAGTTTGATA
 CTCTCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001145830

Insert Size:

3651 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001145830.1](#), [NP_001139302.1](#)

RefSeq Size: 6998 bp

RefSeq ORF: 3651 bp

Locus ID: 18795

UniProt ID: [Q9Z1B3](#)

Cytogenetics: 2 65.66 cM

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.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.