

Product datasheet for MC229495

Plcb3 (NM_001290349) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcb3 (NM_001290349) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plcb3
Synonyms:	mKIAA4098
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229495 representing NM_001290349 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGCGGAGGCCCGGCGTCCACGCGCTGCAGCTGGAGCCGCCACCGTGGTGGAGACCCTGCGGC
GCGGGAGTAAGTTCATCAAATGGGACGAGGAGGCTCCAGTCGGAACCTGGTACCCTGCGTGTGGACCC
TAATGGCTTCTTCTGTACTGGACAGGACCAACATGGAGGTGGACACACTGGACATCAGCTCCATCAGG
GACACAAGGACAGGTCGTTATGCCCGCCTGCCAAGGACCTAAGATTCGAGAAGTACTGGCTTTGGAG
GTCCTGACACCCGGCTGGAGGAGAACTGATGACAGTGGTGGCCGGCCAGATCCAGTAAATACCACATT
CTTGAACCTTATGGCCGTGCAAGATGACACAGTCAAGGCTGGTCCAGAGGAGTTGTTAAACTGGCCATG
AACATATTGGCTCAGAACGCCTCCCGGAACACCTTCTGCGGAAAGCATAACGAAGCTGAAGCTGCAGG
TGAACCAGGATGGACGGATTCGGTCAAGAACATTCTGAAGATGTTCTCGGCGGACAAGAAGCGGGTGA
GACGGCGCTGGAGTCTGTGGCCTCAACTCAACCGAAGTGAGTCCATTCGCCCTGATGAGTTTCCCTTG
GAAATTTTGGAGCGTCTTGAATAAACTGTGTCTGCGCCGGATATTGACAAGATCCTGCTGGAGATAG
GTGCCAAGGGCAAGCCGTACCTCACTCTGGAGCAGCTCATGGACTTTATCAACCAGAAGCAGAGACCC
GAGACTCAACGAAGTGTGATCCCGCCACTTCGGTCTCACAGGCTCGGCTGCTCATTGAGAAGTACGAG
ACGAACAACAGTTCCTGGAGCGCGACAGATGTCTATGGAGGGCTTCAGCCGCTACCTGGGAGGGGAGG
AGAATGGTATCCTGCCTTGGAGGCCCTGGATCTGAGCATGGACATGACCCAGCCACTGAGCGCATATTT
TATCAACTCCTCACACAACACCTATCTCACTGCGGGCCAGCTGGCTGGACCATCATCGGTGGAGATGTAC
CGCCAGGCACTGCTGTGGGGCTGCCGCTGTGTGGAGCTGGATGTATGGAAGGGACGGCCACCGGAGGAAG
AGCCTTTCATCACTCATGGTTTACCATGACCACTGAGGTGCCATTGCGTGTGCTAGAGGCCATCGC
TGAGGCAGCCTTCAAGACCTCGCCCTACCCTGTCATCCTCTCTTTGAGAACCATGTCGACTCGGCAAAG
CAGCAGGCCAAGATGGCTGAGTACTGCCGCTCTATCTTTGGGGATGCGCTGCTCATTGACCTCTCGACA
AATACCCGCTATCTGCGGGCATCCCTGCCTAGTCCACAGGACCTGATGGGCCGTATCCTGGTGAAGAA
TAAGAAGCGACATCGGCCAGCACAGGTGTCCCTGACAGCTCAGTGCGAAGCGGCTCTGGAACAGAGC
AACTCGGCCTTGGTGGAGAGCTCGGCCGCCACAGAGCCCTCTCACCTCAGCTTGGGTCCCCAGCTCCG



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ACAGCTGCCCTGGCCTAAGCAATGGGGAGGAGGTGGGACTCGAGAAGACCAGCCTGGAGCCTCAGAAGTC
TCTAGGTGAGGAGAGCCTCAGCCGGGAACCTAATGTGCCCATGCCTGACCGTGACCAGAGAGGATGAGGAG
GAAGATGAAGAAGAAGAGGAAACAACGGATCCAAAAAGCCCACCACTGATGAGGGCACAGCCAGCAGTG
AGGTCAATGCCACGGAGGAGATGTCAACGCTCGTCAACTACGTTGAGCCCGTCAAGTTCAAGTCCTTCGA
GGCTGCTCGAAAAAGGAACAAGTCTTCGAGATGTCATCCTTCGTGGAGACCAAGGCAATGGAGCAACTG
ACCAAGAGTCTTCAACTACATGCCTCAGCTCTTCTGGAACGTGGGTTGCCAGCTTGTGGCCCTCAACT
GAGTGGACTCCTCAACTACATGCCTCAGCTCTTCTGGAACGTGGGTTGCCAGCTTGTGGCCCTCAACT
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TAGTGGCCAACGCCTTGCGGGTCAAGGTGATTTTCGGGGCAGTTTCTGTCTGACAAGAAGGTGGGCATCTA
CGTCGAGGTGGACATGTTTGGCCCTCCAGTTGACACAAGACGCAAAATATCGTACCCGGACATCCCAGGGG
AACTATTCAACCCTGTGTGGGACGAGGAACCTTTGACTTCCCAAGGTTGTGTGCCACGCTGGCCT
CACTTCGCATCGCAGCCTTTGAGGAGGGTGGCAAATTTGTGGCACCGTATCCTGCCTGTCTGTCTAT
CCGCTCAGGATACCACTATGTCTGCCTGCGAAACGAGGCCAACCAACCTTTGTGCCTGCCTGCCCTGCTT
ATCTACACTGAAGCTTCTGACTACATCCCAGATGACCACCAGGACTATGCGGAGGCTTGATTAACCCCA
TCAAGCAGTAAGCCTAATGGACCAGCGGGCCAAGCAACTAGCCGCTCTATTGGGGAGAGTGAGGCTCA
GGCCAGCACAGAGACATATCAGGAGACCCCGTGTCAACAGCCAGGGTCACAGCTCCCTCCAACCCCA
CCTAACCCACTGGATGCCTCACCTCGTGGCCCCCGGTCTACCACTTCTCCACTAGCTCCTCCCTCA
GTAGCCCAGGGCAGCGAGATGATTTGATTGCCAGCATCCTCTGAGGTGACCCCTACACCTTAGAGGA
GCTCAGAAGCCACAAGGCTATGGTGAAGTACGGAGCCGGCAGGATCGAGACCTGCGGGAGTTGCATAAG
AAGCACCAGCGCAAGGCTGTGGCCCTCACCCGCCCTTCTGGATGGCCTGGCCAGGCCAGGGCTGAGG
GGAAGTCCCGCCCTCCCCAGTGCCTGGGCAAGGCCACCAACTCGGAGGACGTGAAGGAGGAAGAGGA
GGCCAAACAGTATCGAGAGTCCAGAACCAGCAAGTACAGAGCCTGTTGGAGCTGAGGGAAGCCAGGCA
GATGTGGAGACCAAGCGGAAGCTGGAGCATCTACGACAGGCTCATCAGCGGCTCAAGGAGGTTGTCCTGG
ATACACACACAACACAGTTCAAGAGGCTGAAGGAGCTGAATGAAAGGGAGAAGAAGGAACCTCAGAAGAT
CCTGGACAGGAAGCGCAACAACAGCATCTCAGAGGCCAAGACAAGGGAGAAAACAAGAAGGAGGTGGAA
CTGACAGAGATTAATCGGCGGCACATCACTGAGTCGGTAAACTCCATCAGACGGCTGGAAGAGGCCCAGA
AGCAGCGCATGAACGCCTGGTGGCAGGGCAACAGCAAGTCTCCAGCAGCTAGAGGAAGAGGAACCCAA
GCTGCTGGCCAGCTGACCCAGGAGTGTGAGAACAGCGAGAGAGGTTGCCCCAGGAGATCCGTCGGTGC
CTGCTGGGCGAGACAGCAGAGGGACTGGGGACGGCCCCCTGGTGGCCTGTGCCAGCAATGGTCATGCAC
CTGGGAGTGGTGGGCACCTGTCCAGCGTGAAGTGGGAGGAGCCAGGAGGAGAACCCAGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001290349
- Insert Size:** 3705 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001290349.1](#), [NP_001277278.1](#)

RefSeq Size: 4273 bp

RefSeq ORF: 3705 bp

Locus ID: 18797

UniProt ID: [P51432](#)

Cytogenetics: 19 5.1 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 isoform a.