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Product datasheet for MR231706

Plcb3 (NM_001290349) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcb3 (NM_001290349) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plcb3
Synonyms:	mKIAA4098
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231706 representing NM_001290349 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGGGCGCGAGGCCCGGCGTCCACGCGCTGCAGCTGGAGCCGCCCACCGTGGTGGAGACCCTGCGGC GCGGGAGTAAGTTCATCAAATGGGACGAGGAGGCCTCCAGTCGGAACCTGGTGACCCTGCGTGTGGACCC TAATGGCTTCTTCTTGTACTGGACAGGACCCAACATGGAGGTGGACACACTGGACATCAGCTCCATCAGG GACACAAGGACAGGTCGTTATGCCCGCCTGCCCAAGGACCCTAAGATTCGAGAAGTACTGGGCTTTGGAG GTCCTGACACCCGGCTGGAGGAGAAACTGATGACAGTGGTGGCCGGGCCAGATCCAGTAAATACCACATT CTTGAACTTCATGGCCGTGCAAGATGACACAGTCAAGGTCTGGTCAGAGGAGTTGTTTAAACTGGCCATG AACATATTGGCTCAGAACGCCTCCCGGAACACCTTCCTGCGGAAAGCATACACGAAGCTGAAGCTGCAGG TGAACCAGGATGGACGGATTCCGGTCAAGAACATTCTGAAGATGTTCTCGGCGGACAAGAAGCGGGTGGA GACGGCGCTGGAGTCCTGTGGCCTCAACTTCAACCGAAGTGAGTCCATTCGCCCTGATGAGTTTCCCTTG GAAATTTTTGAGCGGTTCTTGAATAAACTGTGTCTGCGCCCGGATATTGACAAGATCCTGCTGGAGATAG GTGCCAAGGGCAAGCCGTACCTCACTCTGGAGCAGCTCATGGACTTTATCAACCAGAAGCAGAGAGACCC GAGACTCAACGAAGTGCTGTACCCGCCACTTCGGTCCTCACAGGCTCGGCTGCTCATTGAGAAGTACGAG ACGAACAAACAGTTCCTGGAGCGCGACCAGATGTCTATGGAGGGCTTCAGCCGCTACCTGGGAGGGGAGG AGAATGGTATCCTGCCTCTGGAGGCCCTGGATCTGAGCATGGACATGACCCAGCCACTGAGCGCATATTT TATCAACTCCTCACACAACACCTATCTCACTGCGGGCCAGCTGGCTGGACCATCATCGGTGGAGATGTAC CGCCAGGCACTGCTGTGGGGCTGCCGCTGTGTGGAGCTGGATGTATGGAAGGGACGGCCACCGGAGGAAG AGCCTTTCATCACTCATGGTTTCACCATGACCACTGAGGTGCCATTGCGTGATGTGCTAGAGGCCATCGC TGAGGCAGCCTTCAAGACCTCGCCCTACCCTGTCATCCTCTCCTTTGAGAACCATGTCGACTCGGCAAAG CAGCAGGCCAAGATGGCTGAGTACTGCCGCTCTATCTTTGGGGATGCGCTGCTCATTGACCCTCTCGACA AATACCCGCTATCTGCGGGCATCCCCCTGCCTAGTCCACAGGACCTGATGGGCCGTATCCTGGTGAAGAA TAAGAAGCGACATCGGCCCAGCACAGGTGTCCCTGACAGCTCAGTGCGCAAGCGGCCTCTGGAACAGAGC AACTCGGCCTTGAGTGAGAGCTCGGCCGCCACAGAGCCCTCCTCACCTCAGCTTGGGTCCCCCAGCTCCG

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR231706 representing NM_001290349
Red=Cloning site Green=Tags(s)

MAGARPGVHALQLEPPTVVETLRRGSKFIKWDEEASSRNLVTLRVDPNGFFLYWTGPNMEVDTLDISSIR
DTRTGRYARLPKDPKIREVLGFGGPDTRLEEKLMTVVAGPDPVNTTFLNFMAVQDDTVKVWSEELFKLAM
NILAQNASRNTFLRKAYTKLKLQVNQDGRIPVKNILKMFSADKKRVETALESCGLNFNRSESIRPDEFPL
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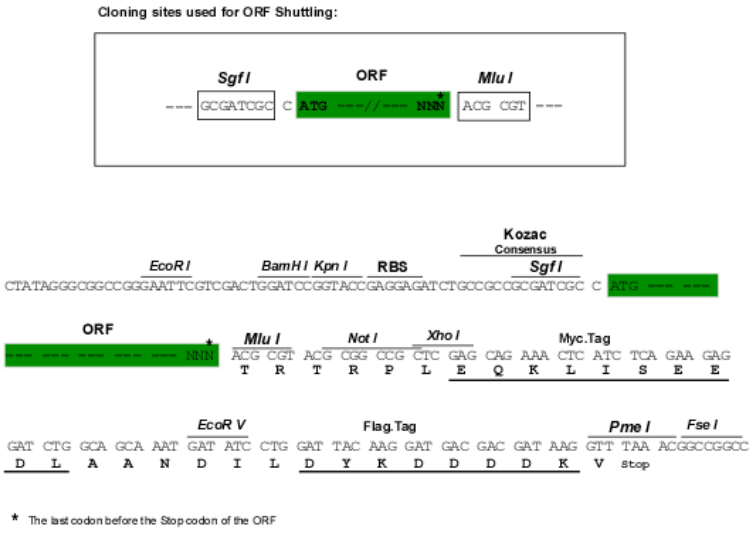
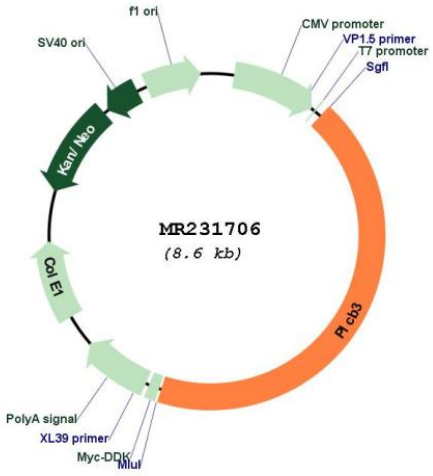
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001290349
ORF Size:	3702 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_001290349.1, NP_001277278.1
RefSeq Size:	4273 bp
RefSeq ORF:	3705 bp
Locus ID:	18797
UniProt ID:	P51432
Cytogenetics:	19 5.1 cM

MW:	139.9 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.[UniProtKB/Swiss-Prot Function]