

Product datasheet for **MR208093**

Plcd1 (BC015249) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcd1 (BC015249) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plcd1
Synonyms:	AW212592; C79986
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR208093 representing BC015249
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCCGGTCGGGACTTCTGACCTTGCACGGGCTGCAGGATGACCCGGACCTTCAGGCCCTCTGA
 AGGGCAGCCAGCTTCTGAAGGTGAAATCCAGCTCGTGGCGTAGAGAACGCTTCTACAAGCTACAGGAGGA
 CTGCAAGACCATCTGGCAGGAATCTCGCAAGGTATGAGGTCCCCGGAGTCGCAGCTGTTCTCCATCGAG
 GACATTACAGGAGTGGGATGGGACACCCGACAGAAAGGCTGGAGAAATTTGCCAGAGACATACCCGAGG
 ACCGATGCTTCTCCATCGTCTTCAAGGACCAGCGCAATACCCTAGACCTCATCGCCCCGTCTCCAGCTGA
 CGTCCAGCATTGGGTGCAGGGCTGCGCAAGATCATCGACCGCTCGGGCTCCATGGACCAGCGGCAGAA
 CTGCAGCACTGGATCACTCCTGCTTGCAGAAAGGCTGATAAAAACAAGGATAACAAGATGAACCTCAAGG
 AGGTGAAGGACTTCTGAAGGAGCTCAACGTACAGGTGGATGACAGCTACGCCAGGAAGATCTTCAGGGA
 ATGTGACCACTCCAGACAGACTCGCTGGAGGATGAGGAGATTGAGACCTTCTACAGGATGCTGACCCAG
 CGGGCAGAGATCGACCGTGCCTTTGCAGAGGCCGAGGTTCTGCGGAGACCTGTGGTGGAGAAGCTAG
 TGACGTTCTGCAGCATCAGCAGCGGGAGGAGGAGGGCGGGGCCAGCCTTGGCCCTCTCTCTATTGAGCG
 CTACGAGCCAGTGAGACTGCCAAAGCCAGCGGCAGATGACCAAGGATGGCTTCTCATGTACCTGCTG
 TCTGCTGACGGTAACGCCTTCAGCCTGGCGCACCCCGTGTCTACCAGGACATGAACCAGCCGCTCAGCC
 ACTACTTAGTGTCTTCTCCACAACACCTACCTACTGGAGGACCAGCTCACAGGGCCCAGCAGCACGGA
 GGCCTACATCCGGGCTCTGTGCAAAGGCTGCCGGTGTCTGGAGCTGGACTGCTGGGACGGCCCCAACCCAG
 GAACCCATCATCTACCACGGCTACACTTTTACCTTAAGATACTTTTCTGCGACGTGCTCAGGGCCATCC
 GGGACTACGCCTCAAGGCATCCCCCTACCCAGTTATCCTGTCCCTGGAGAACCAGTGCAGCCTGGAGCA
 ACAACGAGTCATGGCTCATCACCTGAGGGCCATCCTGGGGCCATGCTGTTGGACCAGCCGCTGGATGGG
 GTTACCACGAGCCTGCCTTCGCCTGAGCAACTGAAGGAAAAGATTCTGTTGAAAGGGAAGAACTGGGCG
 GGCTGCTACCTGCTGGAGGGGAAAACGGGCTGAAGCCACCGATGTGTCTGACGAAGATGAGGCTGCTGA
 AATGGAAGATGAGGCCGTGCGCAGCCAAGTGCAACACAAGCCCAAGTGCCACCTTGTCTACCTACCTACCT
 ATGGCTTAACCTGGGCTCCCCGCGGCCCCAGGAGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208093 representing BC015249
 Red=Cloning site Green=Tags(s)

MDSGRDFLTLHGLQDDPDLQALLKGSQLLKVKSSSWRRERFYKLQEDCKTIWQESRKVMRSPESQLFSIE
 DIQEVRMGHRTEGLEKFARDIPEDRCFSIVFKDQRNTLDLIAPSPADVQHWVQGLRKKIIDRSGSMDQRQK
 LQHWIHSCLRKADKNKDNKMNFKVDFLKELVQVDDSYARKIFRECDHSQTDSEDEE IETFYRMLTQ
 RAEIDRAFAEAAGSAETLSVEKLVTFLLHQHQREEEAGPALALSLIERYEPSETAKAQRQMTKDGFLMYLL
 SADGNAFSLAHRVYQDMNQPLSHYLVSSSHNTYLLLEDQLTGPSSTEAYIRALCKGRCLELDCWDGPNQ
 EPIIYHGYTFTSKILFCDVLRAIRDYAFKASPYVILSLENHCSLEQQRVMAHHLRAILGPMLLDQPLDG
 VTTSLPSPEQLKEKILLKGGKLLPAGGENGPEATDVSEDEEAEMEDEAVRSQVQHKPKPCPTLP
 MALTWASPRPPGG

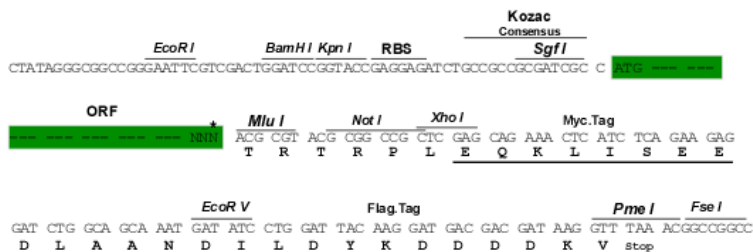
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

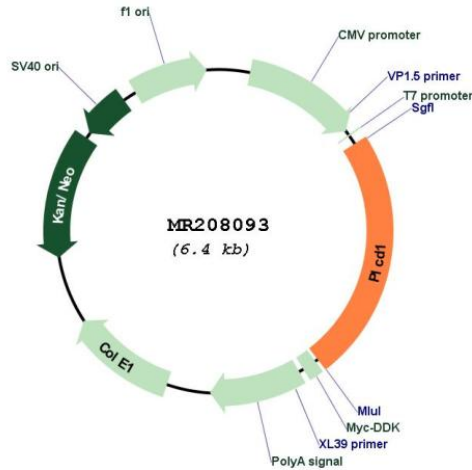
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: BC015249

ORF Size: 1509 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: [BC015249.1](#)

RefSeq Size: 2674 bp

RefSeq ORF: 1511 bp

Locus ID: 18799

Cytogenetics: 9 F3

MW: 98 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. Essential for trophoblast and placental development.[UniProtKB/Swiss-Prot Function]