

Product datasheet for **MC228924**

Plcd1 (NM_001293648) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Plcd1 (NM_001293648) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Plcd1 |
| Synonyms: | AW212592; C79986 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC228924 representing NM_001293648
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGTGTCTAGGGTCCGGAGTTGCAGACGGGGCAGCGTGAACCGCTCCCGGAGCTCTACCTGCAGG
 AGCAGAGTCGCAAAGTAGCGGCGCTCAATGGACAGAGACTGGGGCTGCAGGATGACCCGGACCTTCAGGC
 CCTCCTGAAGGGCAGCCAGCTTCTGAAGGTGAAGTCCAGCTCGTGGCGTAGAGAACGCTTCTACAAGCTA
 CAGGAGGACTGCAAGACCATCTGGCAGGAATCTCGCAAGGTCATGAGGTCCCGGAGTCCGACGTGTTCT
 CCATCGAGGACATTCAGGAGGTGCGGATGGGACACCGCACAGAAGGCCTGGAGAAATTTGCCAGAGACAT
 ACCCGAGGACCGATGCTTCTCCATCGTCTTCAAGGACCAGCGCAATACCCTAGACCTCATCGCCCGTCT
 CCAGCTGACGTCCAGCATTGGGTGCAGGGCCTGCGCAAGATCATCGACCGCTCGGCTCCATGGACCAGC
 GGCAGAAGCTGCAGCACTGGATTCACTCTGCTTGCAGAAAGGCTGATAAAAAACAAGGATAACAAGATGAA
 CTTCAAGGAGGTGAAGGACTTCCGAAGGAGCTCAACGTACAGGTGGATGACAGCTACGCCAGGAAGATC
 TTCAGGGAATGTGACCACTCCCAGACAGACTCGCTGGAGGATGAGGAGATTGAGACCTTCTACAGGATGC
 TGACCCAGCGGGCAGAGATCGACCGTGCCTTTGCAGAGGCCCGCAGGTTCTGCGGAGACCCTGTGGTGGGA
 GAAGCTAGTGACGTTCTGCAGCATCAGCAGCGGGAGGAGGAGCGGGCCAGCCTTGGCCCTCTCTCTC
 ATTGAGCGCTACGAGCCAGTGAGACTGCCAAAGCCAGCGGCAGATGACCAAGGATGGCTTCTCATGT
 ACCTGTGTCTGTGACGGTAACGCCTTCAAGCTGGCGCACCGCCGTGTCTACCAGGACATGAACAGCC
 GCTCAGCCACTACTTAGTGTCTTCCACAACCTACCTACTGGAGGACCAGCTCACAGGGCCAGC
 AGCAGGGAGCCCTACATCCGGCTCTGTCAAAGGCTGCCGGTGTCTGGAGCTGGACTGCTGGGACGGCC
 CCAACCAGGAACCCATCATCTACCATGGTACACTTTTACCTTAAGATACTTTTCTGCGACGTGCTCAG
 GGCCATCCGGGACTACGCCTTCAAGGCATCCCCCTACCCAGTTATCCTGTCCCTGGAGAACCCTGCAGC
 CTGGAGCAACAACGAGTCATGGCTCATCCTGAGGGCCATCCTGGGGCCATGCTGTTGGACCAGCCGC
 TGGATGGGGTTACCACGAGCCTGCCTTCGCTGAGCAACTGAAGGAAAAGATTCTGTTGAAAGGGAAGAA
 ACTGGGCGGGCTGCTACCTGCTGGAGGGGAAAACGGGCCGAAGCCACCGATGTGTCTGACGAAGATGAG
 GCTGCTGAAATGGAAGATGAGGCCGTGCGCAGCCAAGTGAACACAAGCCCAAGGAGGATAAGCTAAAGC
 TGGTGGCCGAGCTCTCCGACATGGTCATTTACTGCAAGAGTGTCCACTTTGGTGGCTTCTCCAGTCTAG
 CACCTCTGGGCAGGCATTCTATGAGATGGCTTCTTCTCCGAGAGCCGTGCCCTGCGGCTGCTGCAAGAA
 TCAGGAAATAGTTTTGTCCGCCATAACGTGGGCCATCTGAGCAGGATCTACCCAGCTGGGTGGAGGACAG
 ATTCCTCCAACACTACAGTCCCGTGGAGATGTGGAATGGAGGCTGCCAGATTGTGGCTCTGAACTTCCAAC
 CCCTGGGCCAGAAATGGATGTTTACCTTGGCTGCTTCCAGGACAATGGAGGTTGTGGGTATGTGCTGAAA
 CCGGCCTTCTGAGAGACCCTGACACCCTTCAACTCACGGGCCCTGACTCAGGGGCCCTGGTGGGCC
 CGAAGAAGCTCCGAGTCTGGATCATCTCTGGACAGCAGCTGCCGAAGGTCAATAAGAATAAGAATTCTAT
 CGTGGACCCCAAGGTGATAGTGGAGATCCACGGTGTGGGCCAGGATGTGGCCAGCCGTGACAGCAGATT
 ATTACCAATAATGGTTTCAACCCACGGTGGGACACGGAGTTTGTGTTGTGGTAGCAGTGCCTGACCTTG
 CCCTTGTACGTTTTCATGGTAGAGGATTATGACTCCTCCTAAGAACGACTTTATCGGCCAGAGTACTAT
 CCCCTGGAACAGCCTCAAGCAGGGTACCGCCATGTCCACCTTGTCTAAGAATGGAGACCTGCATCCA
 TCAGCCACTCTTTGTGAAGATCTCCATCCAGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001293648
Insert Size: 2349 bp

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| 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: | <ol style="list-style-type: none">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: | <u>NM_001293648.1</u> , <u>NP_001280577.1</u> |
| RefSeq Size: | 2706 bp |
| RefSeq ORF: | 2349 bp |
| Locus ID: | 18799 |
| UniProt ID: | <u>Q8R3B1</u> |
| Cytogenetics: | 9 F3 |
| Gene Summary: | <p>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]</p> <p>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.</p> |