

Product datasheet for **RN209950**

Plcd1 (NM_017035) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcd1 (NM_017035) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plcd1
Synonyms:	Plc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209950 representing NM_017035
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCGGGTAGGGACTTCTGACCCTGCACGGCTCCAGGATGACCCGGACCTTCAGGCCCTTCTGA
 AGGGCAGCCAGCTTCTGAAGGTGAAGTCCAGCTCGTGGCGTAGGGAACGCTTCTACAAGCTACAGGAGGA
 CTGCAAGACCATCTGGCAGGAATCTCGAAAGGTATGAGGTCCCCGGAGTCGCAGCTGTTCTCCATCGAG
 GACATTACAGGAGTACGGATGGGACACCCGACAGAAAGGCTGGAGAAGTTTGCCCGAGACATCCCCGAGG
 ATCGATGCTTCTCCATTGCTTCAAGGACCAGCGCAACACCCTAGACCTCATTGCCCCATCACCAGCTGA
 CGCTCAGCACTGGGTGCAGGGCTGCGCAAGATCATCCACCCTCCGGCTCCATGGACCAGCGGCAGAAAG
 CTGCAGCACTGGATTCACTCCTGCTTGCAAAAGGCTGATAAAAACAAGGACAACAAGATGAACCTCAAGG
 AGCTGAAGGACTTCTGAAGGAGCTCAACATCCAGGTGGATGACGGCTACGCCAGGAAGATCTTCAGGGA
 ATGTGACCACTCCAGACAGACTCGCTGGAGGATGAGGAGATTGAGACCTTCTACAAGATGCTGACCCAG
 CGCGCAGAGATCGACCGTCTTTTGGAGGAGCCGAGGATCCCGCGAGACCCTGTCCGGTGGAGAGGCTAG
 TGACGTTTCTGCAGCACCAGCAGCGGGAGGAGGAGGACAGGGCCAGCCTTGGCCCTCTCTCTCATTGAGCG
 CTACGAGCCCACTGAGACTGCCAAGGCCAGCGGCAGATGACCAAGGATGGCTTCTCATGTACTTGCTG
 TCGGCTGACGGTAACGCCTTCAGCCTGGCACACCGCCGTGTCTACCAGGACATGGACCAGCCACTGAGTC
 ACTACTTAGTGTCTTCTCCACAACACCTACCTGCTGGAAGACCAGCTCACAGGGCCAGCAGCACGGGA
 GGCCTACATCCGGGCTCTGTGCAAAGGCTGCCGGTCTTGAGCTCGACTGCTGGGATGGTCCCAACCAG
 GAACCCATCATCTACCACGGCTACACTTTTACCTTAAGATACTTTTCTGTGACGTGCTCAGGGCCATCA
 GGGACTATGCCTCAAGGCATCCCCCTACCCAGTCATCCTGTCCTGGAGAACCCTGTAGCCTGGAGCA
 ACAACGAGTCATGGCCCGTCACCTGAGGGCTATCCTGGGGCCATACTGTTGGACCAGCCACTGGATGGG
 GTTACCACGAGCCTGCCTTACCTGAGCAACTGAAGGGCAAGATCCTGTTGAAAGGGAAGAAGCTGGGAG
 GGCTGCTGCCTGCTGGAGGGGAGAATGGGTCCGAAGCCACTGACGTGTCTGACGAGGTAGAGGCTGCTGA
 AATGGAGGACGAGGCTGTGCGCAGCCAAGTGAACACAAGCCCAAGGAGGATAAACTAAAGCTGGTGCCG
 GAGCTCTCCGACATGATCATTACTGCAAGAGCGTCCACTTTGGTGGCTTCTCCAGTCTGGCACCTCTG
 GGCAGGCATTCTATGAGATGGCTTCTTCTGAGAGCCGTGCCCTCCGGTTGCTGCAAGAATCAGGAAA
 TGGTTTTGTCCGTCATAACGTGAGCTGTCTGAGCAGGATCTACCCGGCTGGGTGGAGAACAGATTCTCC
 AACTACAGTCTGTGGAGATGTGGAACGGGGCTGCCAGATTGTTGCTCTGAACTTCCAAACCCCTGGGC
 CAGAAATGGATGTTTACCTTGGCTGCTTCCAGGACAATGGAGGCTGTGGGTATGTGCTGAAACCCGCTT
 TCTGAGAGACCCCAACACCACCTTCAACTCACGTGCCCTGACTCAGGGGCCCTGGTGGCGTCCAGAGAGG
 CTCCGTGTCCGGATCATCTCTGGACAGCAGCTGCCAAAGGTCAATAAGAATAAGAATTCTATCGTGGACC
 CCAAGGTGATCGTGGAGATCCATGGCGTGGGCCGGGACACCGGTAGCCGTGAGACAGCAGTTATTACCAA
 TAATGGTTTTCAACCCACGGTGGGACATGGAGTTTGAGTTTGAGGTAACAGTGCCTGACCTTGGCCTCGTA
 CGCTTCATGGTAGAGGATTATGATTCTCTTCTAAGAACGACTTATTGGCCAGAGTACTATCCCCTGGA
 ACAGCCTCAAGCAGGGGTACGCCATGTCCACCTTGTCTAAGAATGGAGACCAGCATCCATCAGCCAC
 ACTTTTTGTGAAGATCTCCATCCAGGACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_017035
Insert Size: 2271 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:	<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:	NM_017035.1 , NP_058731.1
RefSeq Size:	2791 bp
RefSeq ORF:	2271 bp
Locus ID:	24655
UniProt ID:	P10688
Cytogenetics:	8q32
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]