

Product datasheet for **MC206384**

Plcd3 (BC031392) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcd3 (BC031392) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plcd3
Synonyms:	2610205J15Rik; mKIAA1964
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031392
 GCCGCGGGCTGTGTTCCCGTTGCCCGTTCACGCACAGATCCCGGGCCTGGCCCTGGGCCCTTCGAGA
 CCATGCTGTGCGGTGGCTGGAAAAGGAGTCGCCGCTCGCCGGAGGAATCCCGGTGTCCGCCAGGTGCG
 AGCGCCCTCGCGTTCGCCCTCGCCCGCTCGTCCGACAGCAGCACCAAAAGGCCTGGGTACGGGCA
 CTGAAGAAGATGGGCTGACGGAGGATGAGGATGTCCAAGCCATGCTGCGGGCTCCCGACTCTCAAGA
 TCCGCTCAGCACGTGGCACAAGGAGCGGCTGTACCGGCTGCAGGAGGACGGCCTGAGCGTGTGGTTTCA
 GCGGCGCATCCCTCGCGCAGCTTCTAAGCACATATTCTTCTGTCGACACATCGAGGCTGTCCGGGAGGCT
 CATCAGTCGGAGGGCCTGCGGCGCTTCGGGGCGCCTTCGCGCCAGCGTGCCTCACCATCGCCTTCA
 AGGGCCGCGCAAGAACCTGGACCTGGCAGCGCCACTGCGGAGGAGGCACAGCGCTGGGTGCGAGGACT
 GGCCAAGCTGCGGGCGCCTGGATGCCATGAGCCAGCGGGAGCGCTAGACCATTGGATCCATTCTAT
 CTGACCCGGGCGACTCCGACCAAGACAGTAAGATGAGCTTCAAGGAGATCAAGAGCCTGCTGAGGATGG
 TGAACGTGGACATGAACGACATGTACGCTTACCGCCTTCAAGGAGTGTGACCATTCCAACAACGAGCG
 TCTAGAGGGGGCCGAGATAGAGGCTTCTGCGGAGGCTGCTAAAGCGCCTGAGCTGGAGGAGATCTT
 CGCCGGTACTCCGGTGGAGACCGGGTGTGAGTGCCTCTGAGCTGCTGGAGTTCTTGAAGACCAGGGCG
 AGGATGGTGCCACCCTGGCTGTGCCCAGCAGCTTATCCAGACTTATGAGCTCAATGAGACAGCCAAGCA
 GCACGAACCTGATGACGCTGGATGGCTTCATGATGTATCTGTTGTGCGCTGAGGGGCGCCCTGAACGTG
 GCCCACACGTGTGTTCCAGGACATGGGTGAGCCCTCGCCACTACTTTATCTCGTCTCTCACAAATA
 CCTACCTGACGGACTCTCAGATCGGAGGGACCAGCAGCACAGAGGCTTATATTAGGGCCTTTGCCAGGG
 ATGCCGCTGTGTGGAACCTGACTGCTGGGAGGGGCGGGAGGGGAACCTGTATCTACCATGGCCACAG
 CTCACCTCCAAGATCCTCTTTGAGATGTGATCCAGGCTGTGCGTGACCACGCTTTCACGTGCTCCCAT
 ATCCTGTAATCCTATCCCTCGAGAACCCTGCGGGCTGGAACAGCAGGCTGTGATGGCTCGCCACCTTGG
 AAGCAGCTCAAGGGCCGGATCTTGGTGAAGGGGAAGAAGCTGCCAGCTGCTCGAGTGGAGTGGCATCTCT
 GAGCAGCTCAAGGGCCGGATCTTGGTGAAGGGGAAGAAGCTGCCAGCTGCTCGAGTGGAGTGGCATCTCT
 TTCTGTACAGACAGGAGGAGGAAGAGGAGGAGGAAGAGGAGGCGGAAGAGGCTTGAAGCTGCAGAGCA
 GAGGAGTCGAGCCAAGCAGATCTCCCCAGAGCTCTCAGCGCTGGCTGTGATTGCTGTGCTACCCGCTG
 CGGACCCTGGAACCCAGTCTGGCCCGCTCAGTCTTGCACGGTTGGCTCCCTCAGCGAGCGCAAGGCCA
 GGAAGTTCACCAGGGAGGAGGACCAGCTTGTGAGGCAACAACCTCAGCAACTGACCCGAGTGTACCC
 ACTGGGGCTGCGGATGAACTCAGCCAATAAACCAGGAGATGTGGAACCTCCGGCTGTGAGTGGT
 GCTCTGAACTTTCAGACTCCTGGTTATGAGATGGACCTCAACACAGGGCGCTTCTCATAAACCAGGCAAT
 GTGGCTACGTCTCAAACCTGCTTACCTCAGGCAACTCAACACCACCTTTGACCCTGAGTGCCTGGACC
 CCCCGAAGTACTCTGGCAATCCAGGTGTTAACGGCCAGCAGCTACCCAAGCTGACGCAGAGAAGCCC
 AGCTCCATTGTGGATCCTCTGGTGCCTGGAGATCCACGGGGTGCCTGAAGACTGTGCCAGAAGGAGA
 CAGACTACGTCTCAAACAATGGCTTCAACCCCTGCTGGGAGCAGACTCTGCAGTTCGAGTGGGGCCCC
 AGAGCTGGTGTGGTTCAGGTTTGTGGTGAAGATTATGACACCACCTCTCCCAATGATTTGTGGGCCAG
 TCTACACTGCCTCTCAGCAGCCTGAAGCAAGGGTACCGCCACATCCACCTGCTGTCCAAGGATGGAGCCT
 CGCTCGCTCCAGCCAGCTCTTCGTGCACATCCGATTGAGAAGCTTTCAGGGGCTCACTGACTTAAACC
 TAACATCAGCAGGGCTGGCGTGTGGCACGGAGCCCTCTGAGCACAAGACCTGGGAGTCCCAGCCC
 CTCACACCAGGTCCTGTCTGGGTACCAAGTGTGTGCACACCTGGGTGCTAGGAGCTGTTTGGTTGCT
 CAGTGAGAGAGAGGACCATGATTGGTGTCTGACCAGTGGATTTTCAGGGGCTCCAACCTGGGGCTCTG
 AGGTGGTCTCAGATTCCTGGTCAACTGAGGAGCAGGACAGTGTCTTCTGCCCTCCAGCGGGGCCAT
 CGTAACCTTCACTCCCTGAGAAGGGCACAGCCACCTTCACTGCCTCCTTTCAGGGTGGAGCAACCCAGA
 GCCTCCTTCCCCTTAGAAGGGACTTTTCTGGCTTCTCCTTCCCTTCTGTCTCAGGACAGTGGGAGCAG
 CTGAGCCCTGGGAGAAACCTGGCAGTAGTTTGTAACTTGTGTTATAGAAGAGCCCAAGAGGGCAGAAGA
 GTAACATTTAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC031392
Insert Size: 2358 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:	BC031392 , AAH31392
RefSeq Size:	2966 bp
RefSeq ORF:	2358 bp
Locus ID:	72469
Cytogenetics:	11 66.71 cM
Gene Summary:	Hydrolyzes the phosphatidylinositol 4,5-bisphosphate (PIP2) to generate 2 second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). DAG mediates the activation of protein kinase C (PKC), while IP3 releases Ca(2+) from intracellular stores. Essential for trophoblast and placental development. May participate in cytokinesis by hydrolyzing PIP2 at the cleavage furrow.[UniProtKB/Swiss-Prot Function]