

Product datasheet for **RN200592**

Plcd4 (NM_080688) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcd4 (NM_080688) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plcd4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN200592 representing NM_080688
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCATCTCAGATTCAAAGCTACTGACCACTAATCAGGACCTGCTGCTGATGCAAAAAGGAACGATGA
 TGCGCAAGGTGAGGACCAAAAGCTGGAAGAAGCTAAGATACTTCAGACTTCAGGATGACGGCATGACGGT
 CTGGCATGGGCGGCACCTTGAAAGCATATCCAAGCCACTTTTTCAATCTCTGATGTGGAGAGGATCCGT
 AAGGGCCAGGATTCTGAGCTGTTGCGCTATCTGGTGAAGAGTTCCCCCTGGAGCAAGGCTTCACCATTG
 TCTTTAATGGGCGCCGCCAACCTGGACCTAGTGGCCAACAGTGTGAAGAGGCCAGACTTGGATGCG
 AGGACTCCAGCTGTTGGTGGATCTGTCGCCAGAATGAACTACCAGGAGCAGCTGGATCAAATGTTGAGA
 GAATGGTTCCAACAAGCAGACAGAAACCAGGACAGCCGGATGAGTTTCAGAGAAGCTCAACGGCTGCTGC
 TTCTGATGAATGTGAAATGGATGAAGAATATGCCTTCAGTCTTTTTCAGGAAGCAGATGTTTCCAATC
 TAATACTCTGGATTGAGAAGAATTTGTACAGTTCTATAAGGCCCTGACTAAGCGCACTGAGATTGAAGAA
 CTATTTGAGAATTTTCATCTGACAAACAGAAGCTGACCTTGCTGGAATTTGTAGATTTCCCTTAGAGAGG
 AACAGAAAGAAAGCGACCATTCCTCTGACCTTGCTCTGAAACTCATTGACCGCTATGAGCCTTCTGAGAA
 TGGCAGATTGCTACGTGTGCTGAGCAAGGATGGCTTCTCAGCTACCTCTGCTCAGCGGATGAAACATC
 TTCAACCCCGACTGCCTCCCTATCTATCAGGATATGACTCAGCCTCTGAGTCACTACTACATCAACTCCT
 CTCACAACACCTACCTACTGGGTGACAGTTTTGTGGCCAGAGCAGCGTTGAAGGATACATACGGGCCTT
 GAAACGGGGTGCCGCTGTGTGGAGGTGGATACATGGGACGGACCTGACGGAGAGCCCGTTGTTTATCAT
 GGGCGTACACTGACCTCTCGTATCTGTCAAAGATGTTTTGGCAACATTAGACAATATGCCTTCCAGT
 CGTCAGACTACCCACTCATCTTATCTCTGGATAACCACTGCACCTGGGAACAGCAGAAGACCATGGCACA
 CCATCTGATTGCGATCCTGGGAGAGCAGCTGCTGAGTACCACCCTAGAGGAACAACCTGATTGATATAATG
 CCCTCGCCAGAGCAGCTTCGGGGGAAGATCTTGGTAAAAGGAAAGATTGAGAACAATTGAGGTTGTTG
 AGTCTGACAAGGAGGAAGAAGAGCTGGAGAAAGATGAGGGGTGAGTCTGGACCCAGCCTCCGCTGAGCT
 TGACATGCAGTCTCAGCCGAGTCCCAGGAGCAGGCTCTGGAAACAAGCAAGAACAAGAAGAAGTTT
 CTTCTCCAGAGTTCACAACCATCTATGCCAGACCTATCTGCCCTGGTTGCTACTTGAGGACTGCTC
 CCTTCTGCAGCTCACTCACTCAAAGAAAACCTACCACATCTACGACATTTATCCTTTTCTGAGTCCAA
 GGCCAAGAACCTCATCAGGGAGGCAGGCAATGAGTTTGTACAGCACAATGCCAGACAGCTATGCCGTGTA
 TACCCAGTGGTCTGAGGACAGATTCATCGAACTATAACCCCAAGAACTGGAATGTTGGCTGCCAAA
 TGGTGGCCATGAACATGCAGACTGCAGGAAGTGAATGGACATCTGTGATGGGCTCTCCGCCAGAAATGG
 GGGCTCTGGCTATGTGCTGAAGCCAGAATTCCTGAGAGATACCCAGAGTTCCTTCAATCCATGAAGCCC
 GTTAGTCTTTATAAAGCCAGATCCTTGTAGTCCAGGTGATCAGTGGTCAAAGACTCCCCAAAGTGGACA
 AAACCAAGAGACAACCGTTGTGGATCCACTGGTGAAGTAGAGCTCTATGGTGTTCCTGAAGACACAAA
 GCAGCAAGAGACCAGCTATGTGGAGAACAATGGTATTAATCCATACTGGGGGAGACATTCTATTTCCAG
 ATCCAGGTGCCTGAACTTGCTATGCTGCGTTTTGTGGTAAAGGATTATAGCAGGACATCCCGAAATACT
 TTATAGGCCAATACACCTGCCTTGGACCTGCATGAAACATGGCTACCGACATGTATCCTTGCTCTCAA
 AGACGGCACTAGCCTCCATCCAGCCTCCATCTTTGTGTACACCTGCATGCAAGAAGACCTGGATATGGAT
 GAGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080688
Insert Size: 2319 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_080688.1 , NP_542419.1
RefSeq Size:	2696 bp
RefSeq ORF:	2319 bp
Locus ID:	140693
UniProt ID:	Q62711
Cytogenetics:	9q33
Gene Summary:	mediates signal transduction by generating two second messenger molecules, inositol 1,4,5-trisphosphate (IP) and diacylglycerol, from phosphatidylinositol 4,5-bisphosphate (PIP) [RGD, Feb 2006]