

Product datasheet for **MC223568**

Plcl1 (NM_001114663) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcl1 (NM_001114663) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plcl1
Synonyms:	C230017K02Rik; PLC-L; PLC-L1; PLCE; PLCL; PLDL1; PRIP; PRIP-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223568 representing NM_001114663 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTGAGGGCGCGGCTAGCAGGGAGGCTCCGGCGCCTCTCGACGTTGCCGGGGCGAAGACGACCCCC
GAGCCGGCGCGACGCTGCCTCAGGGGACGCCACCCCCGGCCTGGGGGGCCGGATGAGGGACCGTGC
CAGTGGGGTCCGCTGCCGGGCGCTGCCGGGGTCCCCCGGATAGCGAGGCGCGCCTCTGGAGGCTGCA
CGAGCGACCCCCCGCGTAGCAGCATCATCAAGGATCCTTCAAACCAAAAATGTGGTGGCAGAAAGAAAA
CAGTGTCTTTAGTAGCATGCCATCGGAGAAGAAGATTAGCAGTGCCACGACTGCATTAGCTTCATGCA
GGCTGGCTGCGAGCTGAAGAAAGTGCGCCGAACCTCTCGCATCTACAACCGATTTTTACCCCTAGATACC
GACCTCCAGGCTCTACGCTGGGAACCTTCCAAGAAAGACCTTGAAGAAAGCAAGCTGGACATTTCTGCCA
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GAGGATATGTGTTAGACATCATTAGGAGATATGAGCTCTCTGAAGATGGCCGCCAGAAAGGCTTCCTTG
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TTCTTTTGAAGTGTCTGGAGGTGATAAATAAGTTTGCCTTTGTTGCTTCAAGATACCCACTCATTCTC
TGCTTGGGAATCACTGCTCTCTGCCTCAGCAGAAAGTCATGGCAGCAGATGAAAAGGTGTTTGGCC



AGAACTTTATACAGAAGCACCTTTGTCTTCAGAATCCTACCTCCCATCACCTGAAAACTAAAAATAT
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 TGGTCCGTTTTGCATTTTGGATGATGATTATTTGGGGATGAGTTCATTGGGCAGTACGATCCCATT
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 ACCCTTTTCGTTACATAGCAATAACCAATCGCAGTGGAGGAGAAAACACAGAAGCGAAGCCTTTCTG
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 CTTCAAATAGCAGTTTACCTTACGAGAAGCCATAGATATGAGAGAAAACATGCGAAGCCATAGTG
 TCTGTTAAGGAGCTGTGTGGACTCCCGCGATTGCCAGTCTGAAACAGTGCCTGTTAACCTGTCCTCTC
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 TCTGGGTGCCATTCCAGATGTGCAGAAGAGGATGTGGCTGCATATGATCTGATGATTCAAGAGAGCCGG
 GTCCTCATAGAAATGGCTGACACAGTTCAGGAAAAGATTGTACAGTGTGAGAAAGCAGGGATGGAATTCC
 ATGAGGAACTTCATAATCTGGGGCAAAGGAAGGCTTGAAGGGAAGAAAACCAACAAGGCCATTGAGAG
 CTTTCGTTGGAATATTACGGTATTGAAGGGACAAGGAGACCTGCTGAAGAATGCCAAGAATGAAGCCGTG
 GAGAACATAAAGCAAATCCAGCTGGCCTGCTTGTCTTGTGGACTGAGTAAAGGCCCTGGCGGTGGCTCAG
 AGGCCAAGGGCAAGCGCAGCTTGAAGCGATAGAGGAGAAAGAAAGTGTGAGGAGAACGGGAAGCTGTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001114663
- Insert Size:** 3291 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:**
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_001114663.1](#), [NP_001108135.1](#)

RefSeq Size: 6555 bp

RefSeq ORF: 3291 bp

Locus ID: 227120

UniProt ID: [Q3USB7](#)

Cytogenetics: 1 C1.2

Gene Summary: Involved in an inositol phospholipid-based intracellular signaling cascade. Shows no PLC activity to phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol. Component in the phospho-dependent endocytosis process of GABA A receptor. Acts as an inhibitor of PPP1C (By similarity). Involved in the assembly and/or the trafficking of gamma-2 subunit-containing GABA A receptors.[UniProtKB/Swiss-Prot Function]