

Product datasheet for MC206759

Plcg2 (BC023877) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcg2 (BC023877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plcg2
Synonyms:	MGC38590
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC023877
 CCACGCGTCCGCGCCGCTGAGCAAGACCTGCGCTGCCGGACTGCCGGGCCCCAGGCGGCTGCTGCACGA
 GGGACCCCGAGTCCCCCAACCGTGGCTGGCAGGCCAGGGATTGTGCGGGTGGCTGCGCTCCGGGG
 TACCGCCAGCCTCCATCTTTCTCCTGCTTCTCCGTCTCCTGGAGCGGCTGACAATGACCACCATGGTC
 AACGTGGACACCTTCCAGAATATGAGAAGAGTCAAGATCAAGAGAGCGCTGGAGTTAGGGACGGTATGA
 CCGTGTCAACGCCGCAATCCACCCAGAGCGGAGGACAGTACAGATGATCATGGAGACTCGGCAGGT
 GGCATGGAGCAAGACCGCAGACAAGATTGAAGGCTTCTGGACATCATGGAGATAAAGGAAATCCGTCCG
 GGAAGAACTCCAAGGACTTTGAGCGAGCAAGGCTGTCCGCCACAAGGCAGAATGTTGCTTACCATCC
 TCTACGGCACCCAGTTTGTCTCAGCACGCTCAGTTTGGCAACGGACTCAAAGGAGGATGCGGTGAAGTG
 GCTCTCTGGTTTGAAGATCCTACACCAGGAAGCGATGAGTGCATCCACCCCAACAATGATTGAGAGTTGG
 CTGAGAAAACAGATTTATTCAGTAGATCAAACCCGAAGAAACAGCATCAGCCTCCGGGAGCTGAAGACCA
 TCTTGCCCTGGTCAACTTCAAAGTGAAGCGCATCAAGTTTCTCAAGGACAAGCTGGTGGAAATCGGCGC
 ACAGAAAGATGAGCTCAGCTTGAACAGTTCATCTCTTCTATAAGAAACTCATGTTGACCAGCAAAAA
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 AGATGAGCACAAGCCCCAGGGCAGCTGTATATGTTGGACTCCATCGACCAGAAATGGACGCGCCACTAC
 TGTGCCATTGCTGACGCCAAGCTGTCTTCCGTGATGACATTGAACAGGCTGTGGAGGAGGACCGGTCC
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TGCGGAGAAGCTGCTGCAAGAGTACTGTGCTGAGACCGGGGCCAAGGACGGCACCTTCTGGTGCGGGAG
 AGCGAGACCTTCCCAATGACTACACACTCTCCTTCTGGCGGTCTGGCCGGTGCAGCACTGCCGGATCC
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 CTATGTCGAGGATATCTCGGCAGCGATGCTGAGGAGATGGAAAAGCAGATTATTGAAGACAATCCCCTC
 GGGTCTCTGCAAAGGCATATTGGATCTTAATACCTACAACGTTGTGAAGGCCCCCGGGGAAAAACC
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 TGTGGAGGAGCTGTTGAGTGGTTTCAGAGCATACGGGAGATCACTTGAAGATGGACACCAAGGAGAAC
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 CACTAGCAAAACCAAGGACATTTGAAAAATCCCGACTTCCGAGAAATCCGCTCTTTTGTGGAGACGAA
 GGCAGACAGCATTGTCAGGCAAAAACCTGTCGATCTATTGCGATACAATCAGAAGGGCCTGACCCGAGTC
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 GTATTGCCTGTCTTTTGTGGAGGTGAAAATCTGCGGGGCTGAGTATGACAGCAACAAATTCAGACGAC
 GTTGTGAATGACAATGGCCTCAGCCCTGTCTGGGCTCCAACCTCAGGAGAAGGTGACATTTGAGATCTAT
 GATCCAAACCTTGCCTTCTACGCTTTTGGTCTACGAAGAAGACATGTTGAGTATCCAACTTCTGG
 CTCATGCCACGTACCCATTAAGGCATCAAAATCCGGGTTTAGATCAGTCCCTCTGAAGAATGGGTACAG
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 CTCTATTCTCTGTGCGCAACTGCGGAGGCGGCAAGAAGAGCTCAACAACAGCTCTTCTTTACGACA
 CGCACCAGAACCTGCGCGGAGCCAACCGTATGCCCTGGTGAAGGAGTTCAATGTTAACGAGAATCAGCT
 GCAGCTGTACCAGGAGAAGTGAACCGGAGGCTGAGAGAGAAGAGAGTAAGCAACAGCAGTTTCTACTCC
 TAGAAGCCGTGTGTGCGTGCAGCATGCCACCGTGTTCACGAGCGCATCTGGGTACGGGAGAGCCTTAT
 AAACAGCCCCCAGGAAGAGATTCATCTGTGACATTCATCGTCTCTCTCCGAGCCACTCACCATAGAGAT
 GACAGTTCTGAAGACGCCCCCGTGGGCAGGAGCGTTGAGACCTTCTGTATTTTTCCACCTTGGACAA
 CTTTCTTAACTTATACTACCCCTGATAGAGGATCCCCCAACTGTGTGCCTTTTGAACTTCCCTGTTCTC
 AGCCTCATTGAATAAAGACAACAGTTTCATGCCGTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** BC023877
- Insert Size:** 3798 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: [BC023877](#), [AAH23877](#)

RefSeq Size: 4345 bp

RefSeq ORF: 3798 bp

Locus ID: 234779

Cytogenetics: 8 64.26 cM

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. It is a crucial enzyme in transmembrane signaling (By similarity).[UniProtKB/Swiss-Prot Function]