

Product datasheet for **RN200573**

Plcg2 (NM_017168) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcg2 (NM_017168) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plcg2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200573 representing NM_017168 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCACCATGGTCAACGTGGACACCCTTCCAGAATATGAGAAGAGTCAGATCAAGAGAGCCCTGGAGC
TAGGGACGGTGATGACCGTATTCAGTGCCCGCAAATCCACCCAGAGCGGAGGACAGTACAGATGATCAT
GGAGACCCGGCAGGTGGCATGGAGCAAGACAGCAGATAAGATCGAAGGCTTCTTGGACATCATGGAATA
AAGGAAATCCGGCCAGGGAAGAAGCTCCAAGGACTTTGAGCGAGCCAAGGCTGTCCGTACCAAGGCAGACT
GCTGCTTACCATCTTCTACGGCACCCAGTTCGTGCTCAGCACTCTCAGTCTGGCAACCGACTCAAAGGA
GGATGCAGTGAAGTGGCTCTCTGGCTTGAAGATCTTACACCAGGAAGCGATGAACGCATCCACTCCCACA
ATGATTGAGAGTTGGCTGCGGAAACAGATTTATTAGTAGATCAAACCCGAAAGAACAGCATCAGCCTCC
GGGAGCTGAAGACCATCTTGCCCTGGTCAACTCAAAGTGAAGCGCATCAAGTTCCTCAAGGACAAGCT
GGTGGAAATTGGCGCCAGAAAGATGAGCTCAGTTTTGAACAGTTCATCTTCTATAAAAACTCATG
TTTGAGCAGCAGAAGTCGATACTTGACGAATCAAAAAAGACTCCTCCGTGTTTCATCCTAGGGAACACAG
ACCGCCCTGATGCCTCAGCCGTCTACCTGCAAGACTTCCAGAGGTTTCTTTTACATGAACAGCAGGAGCT
ATGGGCTCAGGATCTGAACAAAGTCCGGGAGCGGATGACCAAGTTTATCGATGACACAATGAGGGAGACC
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CAACACGTACCTCACTGGAGACCAGCTGCGTAGCGAGTCTCCACGGAAGCGTATATCCGCTGTCTGCGT
GCTGGTTGTCGCTGCATCGAGTTGGATTGCTGGGATGGGCTGACGGGAAACCCATAATCTATCACGGTT
GGACACGGACCACCAAGATCAAGTTTGATGATGTTGTTGAGGCCATCCGGGATCATGCCTTTGTTACCTC
CAGCTTTCCCGTGATTCTGTCTATCGAGGAGCACTGCAGTGTGGAGCAGCAACGTCACATGGCCAAGGTC
TTCAAGGAAGTGTAGGAGACCTGCTGTGACGAAGCCACGGAGGCCAGTGTGACCAAGCTGCCCTCAC
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TGGACTCGCCACTACTGTGCTATTGCGGACGCCAAGCTGTCTTTCAGTGACGACATTGAACAGACTGTGG
AAGAGGATCCGGTCCAGGACACTCCCCCAGGAGCTACATTTGGGGAGAAATGGTTCCATAAGAAGGT
GGAGAGCAGGACCAGTGCAGGAGACTGTGCGGAGACTGGGCCAAGGATGGCACC



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TTCTGGTGGGAGAGCGAGACCTTCCCAACGACTACACACTCTCTTCTGGCGGTCTGGCCGGGTGC
 AGCACTGCCGAATCCGGTCTACCATGGAGGGTGGGGTCATGAAGTACTACCTGACTGACAACCTCACGTT
 CAACAGCATCTACGCCCTCATCCAGCACTACCGGGAGGCACACCTGCGCTGTGCGGAGTTCGAGCTGCGG
 CTCACAGACCCGGTGCCCAACCCCAACCCACATGAGTCCAAGCCGTGGTACTATGACAGGCTGAGCAGGG
 GGAAGCAGAGGACATGTTGATGCGGATCCCCGAGATGGAGCCTTCTCATTGCGAAGCGGGAGGGGAC
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 CAGAGGACTGTGAAAGCACTCTATGACTACAAAGCCAAGCGCAGCGATGAGCTGACCTTCTGCCGAGGTG
 CCCTCATCCACAACGTCTCAAGGAGCCGGGAGGATGGTGGAAAGGGGACTATGGGACCCGGATCCAGCA
 GTATTTCCCATCTAACTACGTTGAAGATATCTCGGCAGGCGATGCTGAGGAGATGAAAAGCAGATTATT
 GAAGACAACCCCTCGGGTCTCTCTGCAGAGGCATATTGGATCTTAATACCTACAATGTGGTGAAGGCC
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 GTTCGCGACTGACCGTGTGGAGAACTGTTGAGTGGTTTCAGAGTATACGAGAGATCACTTGAAGATC
 GACACCAAGGAGAACAACATGAAGTACTGGGAGAGGAATCAGTCCATTGCTATTGAGCTCTGACTTGG
 TTGTGACTGCAAGCCGACTAGCAAAAACCAAGGACCATTGGAATAATCCTGACTTCCGGGAAATTCGCTC
 TTTTGTGGAGACAAAGGCAGACAGCATTGTGAGGCAAAAGCCCGTGGATCTATTGCGGTACAACCAGAAG
 GCCTGACCCGTGTCTACCCCAAGGGACAGAGATTGACTCTTCCAACACGACCCCTTCCGTCTGTGGC
 TGTGTGGCTCCAGATGGTGGCGCTCAATTTCCAGACTCCAGACAAGTACATGCAGATGAACCATGCATT
 GTTTTCGCTCAATGGGCGGACAGGTTACGTCTGCAGCCCGAGAGCATGCGGTCTGAGAAGTATGACCCG
 ATGCCCCCGGAGTCCCAGAGGAAGATCCTGATGACTCACTGCAAGGTTCTTGGTGCACGCCACCTCC
 CTAAGCTAGGGCGGAGTATCGCCTGTCCCTTTGTAGAGGTGAAATCTGTGGGGCCGAGTATGACAGCAA
 CAAATTCAGAGCAGCGTTGTGAATGACAACGGTCTCAGCCCTGTCTGGGCTCCAACCTCAGGAGAAGGTG
 ACATTTGAAATTTATGACCCAAACCTTGCCTTCTACGCTTTCTGGTCTACGAAGAAGACATGTTCAAGT
 ACCCAACTTCTGGCTCATGCCACATACCCATTAAAGGCATCAATCAGGATTTAGATCAGTCCCTCT
 GAAGAACGGGTACAGTGAAGACATCGAGCTGGCATCCCTCCTGGTTTTCTGTGAGATGCGGCCAGTCTG
 GAGAGTGAAGAAGAACTTATTCTCCTGTGCGCCAGCTGCGGAGGCGGCAGGAAGAGCTCAACAACCAGC
 TCTTCTGTATGACACACACCAGAACCTGCGAGGAGCCAACCGGGATGCCCTGGTGAAGGAGTTCATGT
 TAACGAGAAATCAGCTGCGGCTGTACCAGGAGAAGTGAACCGGAGGCTGAGAGAGAAGAGAGTGAGTAAC
 AGCAGGTTCTACTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_017168

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: [NM_017168.1](#), [NP_058864.1](#)

RefSeq Size: 4321 bp

RefSeq ORF: 3798 bp

Locus ID: 29337

UniProt ID: [P24135](#)

Cytogenetics: 19q12

Gene Summary: has phosphoinositide-specific phospholipase C activity [RGD, Feb 2006]