

Product datasheet for RN202153

Plcb2 (NM_053478) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plcb2 (NM_053478) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plcb2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202153 representing NM_053478 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGTCCTTTGCTCAACCCGTCTGTTGCCCTAAGGTGAAGGCATATCTGAGCCAAGGGGAGCGCTTCA
TCAAGTGGGACGATGAAACCTCAATAGCCTCCCCTGTTATCCTTCGGGTGGATCCCAAGGGCTATTACTT
ATACTGGACACATCAAAGTAAGGAGATGGAATTTCTGGATGTCAGGAGCATCCGAGACACTCGCTTTGGG
AAGTTTGCCAAGATACCCAAGAGCCAGAACTCCGGGAGGTATCAACATGGACTTCCAGACAACCACT
TCCTGCTGAAAACATTCACAGTGGTATCCGGCCCGGACATGGTGGGCCTCACCTCCACAATTTGTCTC
TTACAAGGAGAACGTAGGCAAGGATTGGGCTGAGGATGTAAGGCTTAAAATGCAGCTGAGCCCTGAAGGA
AATGCTTCTCGAAGCACATTCTAGACAAGATCCTGGTGAAGCTTAAAATGCAGCTGAGCCCTGAAGGA
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TTCTCATGAGCCTCTGCTCCTCGGCCAGAAATTGATGAGATCTTCACTTCTTATCATGCTAAAGCCAAAC
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GCTGTTCCACCAGCCCGCCTGAGCAGGTGCAGGCGCTCATTGACAAGTACGAGCCAGCGGCATCAAT
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CCCATGATACTCTGCGGATCCACCAAGACATGACACAGCCTCTGAATCACTACTTCACTCACTCCTCACA
CAACACTTACCTGACAGCTGGCCAGTTTTTCAGGCCCTTCTCGGTGAGATGTACCGCCAGGTGCTGCTA
TCTGGCTGCCGTTGTGTAGAATTAGATTGTTGAAAGGAAAGCCCCCGCAAGAACCCATCATCACCC
ACGGCTTCACTATGACCACAGATATCTTGTTCAAGGAAGCAGTGAAGCCATTGCAGAAAGTGCCTTTAA
GACCTCCCATATCCTGTATCTGTCAATTTGAAAACACGTGGACTCACCCGCAACAGGCTAAGATG
GCCGATGCTTCCGACCATGTTTGGAGAGACCTTGCTCACAGAGCCCTGGAAAACCTTCTCTGAAAC
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TGAAGAAGAGGAAGAGGAGGAGTCAAGAAACCTGGATGAAGAAGAAATTAAGAAGATGCAGTCTGATGA
GGGCACAGCAGGCTTGGAGGTGACAGCTTATGAGGAAATGTCCAGCCTTGTCAATTACATCCAGCCACC



AAGTTTATCTCCTTCGAGTTCTCTGCACAGAAGAACAGGAGTTACCTTGTCTCTTCCCTTCACGGAGCTCA
 AGGCCTACGAGCTGCTCTCCAAGGCCTCCATGCAGTTTGTGGACTATAATAAACGCCAGATGAGCCGCGT
 GTACCCCAAGGGCACGCGCATGGACTCTTCCAACATACATGCCCCAGATGTTCTGGAATGCCGGATGTCAG
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 GGCAGAGTGGCTACCTCCTAAAGCACGAGTTCATGCGCAGGCAGGACAAGCAGTTCAACCCCTTCTCGGT
 GGACCCGATTGATGTGGTGGTTGCCACTACCCTTCCATTACGGTCATCTCTGGGCACTTCTGTCCAGAG
 CGCAGTGTGCGCACCTATGTGGAAGTAGAACTGTTTGGCCTCCCAGGGGACCCCAAGAGCCGCTATCGTA
 CCAAGCTGTACCTACTGCTAACTCCATCAATCCTGTCTGGAAGGAGGAACCCCTTCAATTTTGGAGAAGAT
 CTTGGTGCCTGAGCTGGCCTCCCTCAGGATAGCTGTAATGGAAGAAGGGCGCAAATTTATTGGACATCGC
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 TCACCATGCCTGCTCTTCTGCTTCTCTGGAGATGAAGGACTATGTACCTGACACGTGGGAGATCTTAC
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 CCGCAGGCAATGGGTCAACAGCGCCTGGGACCAAGGCCAAGGAGGAAGCTACGAAGGAAGTGGCAGAGCC
 ACAGACCACTAGCTTGGAAAGAGCTGCGGGAGCTGAAGGGCGTGGTGAAGCTGCAGCGGAGACATGAGAAG
 GAGCTTCGAGAGCTGGAGCGGCTGGAGCCCGGCTGGGAGGAGCTGCTGCAGCGTGGCGCTGCACAGC
 TAGCGGAGCTCCAGGACCCAGCAGCAAGCTGCAAGCTCCGCCCGGCAAGGGCTCCCGCAAGAAGAGGAT
 CGTGCCCTGTGAGGAGACCATCGTGGTGCCTAGGGAGTCTCGAGGGACCGGACCCCGCGTGCAGGAT
 CTGAAGGACAGGCTGGAGCAGGAGCTGCAGCAGCAAGGCGAGGAGCAGTACCGCTCTGCTCAAGCGTA
 AGGAGCAGCACGTGACCGAGCAAATCGCCAAGATGATGGAGCTGGCCAGAGAGAAACAGGCTGCTGAACT
 CAAGAGCTTCAAGGAGACCTCGGAACTGACACCAAAGAGATGAAGAAAAACTGGAGGCCAAAAGGCTG
 GAGCGGATCCAAGCCATGACCAAAGTACCACAGACAAGGTGGCCAGGAGAGGCTCAAGAGAGAAATTA
 ACAACTCCCACATCCAGGAGGTGGTGCAGGCTGTCAAGCAGATGACAGAGACCCTGGAGCGTCCACAGGA
 GAAGCTGGAAGAGAAGCAGACAGCCTGGAGCAGATCCAGGCAATGGAAGCAAGTTCAGGAGGAAG
 GCGCTGGCAGAGTATGAGGCAAGATGAAGGGCCTGGAGGCTGAAGTAAAGGAGTCAATGCGGGTGTCT
 TCAAGGCCTGTTCCCCACGGAAGCAGAAGAGAAGCCTGAGAGGCCCTGTGAGGCCTCTGAGGAGTCGTG
 TCCACAGGAGCCACTTGTGAACAAGACAGACACTCAGGAGAGCCGCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053478
- Insert Size:** 3552 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_053478.1](#), [NP_445930.1](#)

RefSeq Size: 3999 bp

RefSeq ORF: 3552 bp

Locus ID: 85240

UniProt ID: [O89040](#)

Cytogenetics: 3q35

Gene Summary: may play a role in inositol mediated signal transduction of bitter taste perception [RGD, Feb 2006]