

## Product datasheet for **MC200420**

### **Pcyt2 (NM\_024229) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcyt2 (NM_024229) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcyt2
Synonyms:	1110033E03Rik; ET
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC008276 sequence for NM\_024229  
 GCGGGAGCCGAGGATTTGCGGGGGCCCTCCGGTGCCATGATCCGGAACGGGCACGGGGCTGCCAGCGC  
 TGCTGGGCTGAAGGGTCCGGGAGATCAGCGCATCGTGCGGGTGTGGTGCGATGGCTGCTATGACATGGTG  
 CATTATGGCCACTCCAACCAGCTACGGCAGGCACGGGCCATGGGGGACTACCTCATCGTGGGTGTGCATA  
 CGGATGAGGAGATTGCCAAGCATAAGGGGCCCCCGGTGTTTACCCAGGAGGAGAGGTACAAGATGGTACA  
 GGCCATCAAGTGGGTGGATGAGGTGGTCCCGCTGCTCCCTACGTACCACCTGGAGACTGGACAAG  
 CACAATGTGACTTCTGTGTTACGGCAATGACATCACGCTGACAGTAGACGGCCGAGACACCTATGAGG  
 AAGTGAAGCAGGCTGGGAGGTACAGAGAGTGCAAACGCACCCAGGGTGTGTCCACCACAGACCTCGTGGG  
 TCGCATGCTGCTGGTGACCAAGGCCATCACAGCAGCCAGGAGATGTCCTCTGAGTACCGGAATATGCT  
 GACAGTTTTGAAAGCCCTCACCCGACACCTGCCGGGGACACACTTTCCTCAGAAGTCTCCTCCCAGT  
 GCCCTGGGGGACAGGCCCTGGACAGGGGTGTCCAGTTTCTACAGACATCCCAGAAGATCATCCAGTT  
 TGCTTCTGGGAAGGAGCCCCAGCCGGGAGACGGTCACTATGTGGCTGGTGCCTTTGACCTGTTCCAC  
 ATCGGGCAGCTGGACTTCTACAGGAGGTGCACAAGCTAGCCAAGAGGCCCTACGTCATCGCCGGCTAC  
 ACTTTGACCAGGAAGTAAACCGGTACAAGGGCAAGAACTACCCCATCATGAACCTGCACGAGCGGACTCT  
 CAGTGTGCTGGCCTGCCGTATGTTTCAAGTGGTGATTGGGGCACCATACTCCGTGACAGCGGAGCTC  
 CTGAATCACTTCAAGGTGGACCTGGTGTGTACGGGAAGACAGAGATTGTACCCGACAGGGATGGGTCTG  
 ACCCCTACCAGGAGCCCAAGAGAAGAGGCATCTTCTATCAGATTGACAGTGGCAGTGACCTCACTACAGA  
 CCTGATTGTGCAGAGGATCATCAAGAACAGGCTGGAGTATGAAGCACGGAATCAGAAGAAAGAAGCCAAG  
 GAATTAGCCTTTCTGGAGGCCACGAAGCAGCAGGAGGCGCCGCTGGAGGGGAGATTGACTAGCTTCAAG  
 CCCGGAGATGTTGTTACGCCCTTGCCCTGTGCCACCTTCTCTTCTGCCCCGCTCTGCTTCTGTGT  
 CTTGATGTCAGCTCACAAATTTCAAAGGAAACTGGCCTTGCTGAGGGTGTGCTGCTGCTGCGAGGCACC  
 TGCTTGCAGCAGGCTCTCAGCCCTTCCCTCTGAGCTGCTCAGAGAGGGTAGCTAGCCCAATGATGTGGC  
 CCGTGGACAGGATAAGCAGATGCACCTGTGACTGACTGGAGCGTGTGCTGTGTATCCCCGGCATCCAT  
 GGGTTCCAAGTGCACCTGCCAGTCTTGCCAGAGATACCCCTCTGCTGACTGGAAGCTGCACATCT  
 GCCCACTGAGCTTTGGTAAAGGTCCAGAGGCTTTGGGGACCTCTGTTCTGGGCCACCCTGCCCGTGGG  
 CACCCTTACCTTGGGGCACGTTCTAGCACCCATTCTGACTCCTGGAAGATGCACTTGCCCCGACAGC  
 TGGGCAGCACGGCTGTCTCTGCAGAGACTGCCTGGTCTCATTGTACTTTGGTGGCTCACTGAATAAA  
 GCCTTGTGGGAAGCAA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_024229

**Insert Size:** 1215 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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:** [BC008276](#), [AAH08276](#)

**RefSeq Size:** 1908 bp

**RefSeq ORF:** 1215 bp

**Locus ID:** 68671

**UniProt ID:** [Q922E4](#)

**Cytogenetics:** 11 E2

**Gene Summary:** Plays an important role in the biosynthesis of the phospholipid phosphatidylethanolamine. Catalyzes the formation of CDP-ethanolamine (By similarity).[UniProtKB/Swiss-Prot Function]