

## Product datasheet for **RR214938**

### **Pcyt1a (NM\_078622) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pcyt1a (NM_078622) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcyt1a
Synonyms:	CCT-alpha; CTP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214938 representing NM_078622 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGCACAGAGTTCAGCTAAAGTCAATTCAAGGAAGAGGAGGAAAGAGGTACCTGGCCCTAATGGAG  
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TGACCTGTGACATCAGCGAGGATGAAGAGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
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**Protein Sequence:** >RR214938 representing NM\_078622  
Red=Cloning site Green=Tags(s)

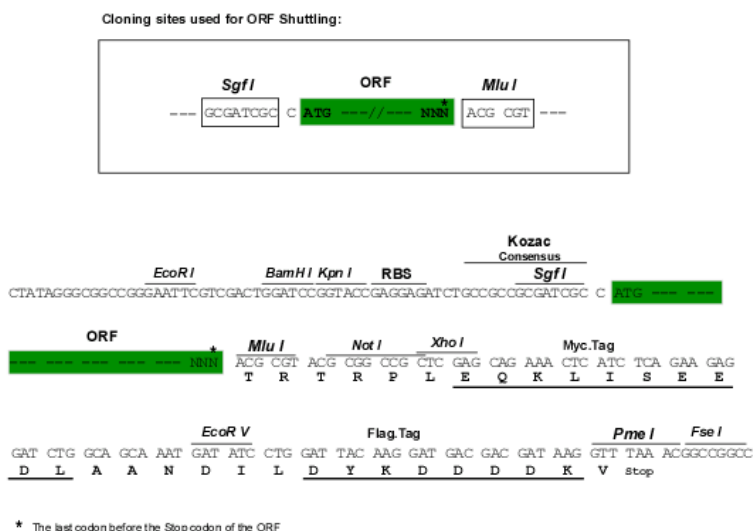
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 TPCERPVRVYADGIFDLFHSGHARALMQAKNLPNTYLIVGVCSEDELTHNFKGFTVMNENERYDAVQHCR  
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 RDYDVYARRNLQRGYTAKELNVSFINEKKYHLQERVVKVKKVKDVEEKSKEFVQKVEEKSIDLIQKWE  
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 LSRCKAVTCDI SEDEEDLSRCKAVTCDI SEDEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1549\\_a03.zip](https://cdn.origene.com/chromatograms/ja1549_a03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_078622

**ORF Size:** 1101 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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 Size:** 1567 bp

**RefSeq ORF:** 1104 bp

**Locus ID:** 140544

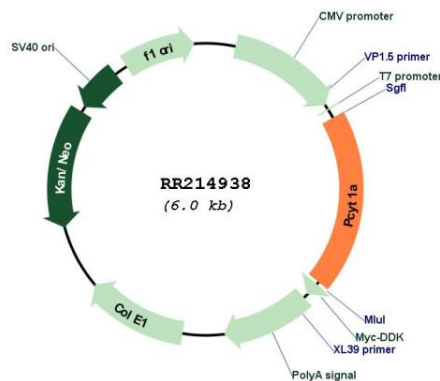
**UniProt ID:** [P19836](#)

**Cytogenetics:** 11q22

**MW:** 41.7 kDa

**Gene Summary:** catalyzes rate-limiting synthesis of phosphatidylcholine; plays a key role in cell membrane synthesis and in supply of lipid second messenger [RGD, Feb 2006]

**Product images:**



Circular map for RR214938