

## Product datasheet for **MG226248**

### **Pcyt1a (NM\_001163160) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pcyt1a (NM\_001163160) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pcyt1a  
**Synonyms:** Cctalpha; CTalpha; Ctpct; Ctalpha  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG226248 representing NM\_001163160  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATGCACAGAGTTCAGCTAAAGTCAATTCGAGGAAGAGGAGGAAAGAGGCACCTGGCCCTAATGGAG  
 CAACAGAGGAAGATGGAATTCCTTCCAAAGTGCAGCGTTGCGCAGTTGGTTTACGGCAGCCAGCTCCTTT  
 TTCTGATGAAATTGAAGTTGACTTTAGTAAGCCCTATGTCAGGGTACTATGGAAGAAGCCTGCAGGGGA  
 ACTCCGTGTGAGCGGCCGTGAGAGTTTATGCGGATGGAATATTTGACTTGTTTCACTCTGGTCATGCC  
 GGGCTCTGATGCAAGCAAAGAACCTTTCCCTAATACGTATCTAATTGTGGGAGTCTGCAGTGATGAGCT  
 AACGCACAACCTCAAGGGCTTCACTGTGATGAACGAGAATGAGCGCTATGACGCCGTGCAGCACTGCCGC  
 TACGTGGACGAGGTGGTGCAGAACGCCCTGGACTCTGACGCCTGAGTTCTGGCAGAGCACCGGATTG  
 ATTTTGTGCGCCATGACGACATCCCTATTCTTCTGCAGGGAGCGATGATGTGTATAAGCACATCAAGGA  
 CGCAGGCATGTTTGTCCCACACAGAGGACAGAAGGTATCTCCACATCAGACATCATCACCCGATTGTC  
 CGTGACTATGATGTGTATGCAAGACGGAACCTACAGAGGGGTACACTGCCAAGGAGTCAATGTGACGT  
 TTATCAACGAGAAGAAATACCACTTGAAGAACGAGTTGATAAAGTAAAGAAGAAAGTAAAAGATGTGA  
 GAAAAGTCAAAAGATTTGTGCAGAAGGTGGAAGAGAAGAGCATCGACCTCATCCAGAAGTGGGAGGAG  
 AAGTCCCGAGAGTTCATTGGAAGTTTCTGAAATGTTTGGTCCAGAAGGAGTCAAGCACATGCTGA  
 AGGAGGGAAAAGGTCGGATGCTGCAGGCCATCAGTCCCAAGCAGAGCCCAAGCAGCAGCCCTACTCATGA  
 GCGCTCCCCCTCCCCCTCTTTCGGTGGCCCTTCTCTGGCAAGACTTCCCATCTTCTCCCCAGCAAGT  
 CTTTCTAGGTGCAGGGCTGTGACCTGTGACATCAGCGAGGATGAAGAGGAC

**ACCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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MDAQSSAKVNSRKRKEAPGPNGATEEDGIPSKVQRCVGLRQPAPFSDEIEVDFSKPYVRVTMEEACRG  
 TPCERPVRVYADGIFDLFHSGHARALMQAKNLFNPTYLIVGVCSDELTHNFKGFTVMNENERYDAVQHCRC  
 YVDEVVRNAPWTLTPEFLAEHRIDFVAHDDIPYSSAGSDDVYKHIKDAGMFAPQRTREGISTSDIITRIV  
 RDYDVYARRNLQRGYTAKELNVSFINEKKYHLQERVVKVKKVKDVEEKSKFVQKVEEKSIDLIQKWE  
 KSREFIGSFLEMFGPEGALKHMLKEGKGRMLQAI SPKQSPSSP THERSPSPSFRWPFSGKTSPPSSPAS  
 LSRCAVTCDISSEDEED

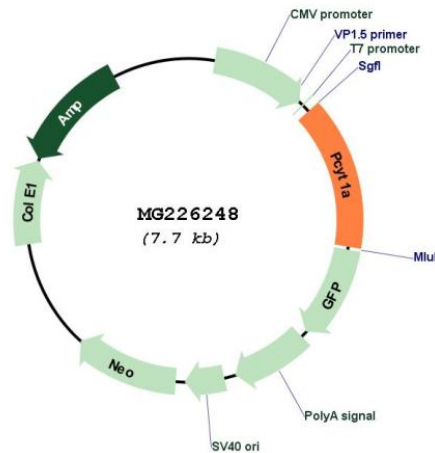
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001163160

<b>ORF Size:</b>	1101 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001163160.1</a> , <a href="#">NP_001156632.1</a>
<b>RefSeq Size:</b>	4885 bp
<b>RefSeq ORF:</b>	1104 bp
<b>Locus ID:</b>	13026
<b>UniProt ID:</b>	<a href="#">P49586</a>
<b>Cytogenetics:</b>	16 22.69 cM
<b>Gene Summary:</b>	Controls phosphatidylcholine synthesis.[UniProtKB/Swiss-Prot Function]