

## Product datasheet for RC237687

### PCYT2 (NM\_001282204) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PCYT2 (NM\_001282204) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PCYT2  
**Synonyms:** ET; SPG82  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237687 representing NM\_001282204  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTGCATTACGGCCACTCCAACCAGCTGCGCCAGGCACGGCCATGGGTGACTACCTCATCGTAGGCC  
TGCACACCGATGAGGAGATCGCCAAGCACAAGGGCCCCCGGTGTTCACTCAGGAGGAGAGATACAAGT  
GGTGCAGGCCATCAAATGGGTGGACGAGGTGGTCCAGCGGCTCCCTACGTCACACTAGAGACCTG  
GACAAATACAACCTGTGACTTCTGTGTTACGGCAATGACATCACCTGACTGTAGATGGCCGGGACACCT  
ATGAGGAAGTAAAGCAGGCTGGGAGGTACAGAGAATGCAAGCGCACGCAAGGGGTGCCACCACAGACCT  
CGTGGGCCGATGCTGCTGGTAACCAAAGCCCATCACAGCAGCCAGGAGATGTCCTCTGAGTACCGGGAG  
TATGCAGACAGTTTTGGCAAGTGCCCTGGTGGCGGAACCCCTGGACCGGGTATCCCAAGTTCCTGCAGA  
CATCTCAGAAGATCATCCAGTTTGTCTTGGGAAGGAGCCCCAGCCAGGGGAGACAGTATCTATGTGGC  
TGGTGCCTTCGACCTGTTCCACATCGGGCATGTGGACTTCTGGAGAAGGTGCACAGGCTGGCAGAGAGG  
CCCTACATCATCGCGGGCTTACACTTTGACCAGGAGGTCAATCACTACAAGGGGAAGAATACCCCATCA  
TGAACTGTCATGAACGGACTCTGAGCGTCTGGCCTGCCGATACGTGTCAGAAGTGGTATTGGAGCCCC  
GTACGCGGTACAGCAGAGCTCCTAAGTCACTTCAAGGTGGACCTGGTGTGTACGCAAGACAGAAATT  
ATCCCTGACAGGGATGGCTCCGACCCATACCAGGAGCCCAAGAGAAGGGCATCTTCCGTGAGATTGACA  
GTGGCAGCAACCTCACCACAGACCTCATCGTCCAGCGGATCATACCAACAGGTTGGAGTATGAGGCGCG  
AAACCAGAAGAAGGAAGCAAGGAGCTGGCCTTCTGGAGGCTGCCAGGCAGCAGCGGCACAGCCCTG  
GGGAGCGCGATGGTGACTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>ORF Size:</b>	1071 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_001282204.2</a>
<b>RefSeq Size:</b>	3369 bp
<b>RefSeq ORF:</b>	1074 bp
<b>Locus ID:</b>	5833
<b>UniProt ID:</b>	<a href="#">Q99447</a>
<b>Cytogenetics:</b>	17q25.3
<b>Protein Pathways:</b>	Glycerophospholipid metabolism, Metabolic pathways
<b>MW:</b>	41 kDa
<b>Gene Summary:</b>	This gene encodes an enzyme that catalyzes the formation of CDP-ethanolamine from CTP and phosphoethanolamine in the Kennedy pathway of phospholipid synthesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]