

Product datasheet for **RG230021**

PCYT2 (NM_001184917) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCYT2 (NM_001184917) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCYT2
Synonyms:	ET; SPG82
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230021 representing NM_001184917 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCGGAACGGGCGCGGGCTGCAGGCGGCGCAGAGCAGCCGGGCCCGGGGGCAGGCGCGCCGTGA
GGGTGTGGTGGCAGTGGCTGCTATGACATGGTGCATTACGGCCACTCCAACCAGCTGCGCCAGGCACGGGC
CATGGGTGACTACCTCATCGTAGGCGTGACACCGATGAGGAGATCGCCAAGCACAAGGGGCCCGGGT
TTCCTCAGGAGGAGAGATACAAGATGGTGCAGGCCATCAAATGGGTGGACGAGGTGGTCCAGCGGCTC
CCTACGTCACACTAGAGACCCTGGACAAATACTGTGACTTCTGTGTTACAGGCAATGACATCAC
CCTGACTGTAGATGGCCGGGACACCTATGAGGAAGTAAAGCAGGCTGGGAGGTACAGAGAATGCAAGCGC
ACGCAAGGGGTGTCCACCACAGACCTCGTGGGCCGATGCTGCTGTTAACCAGCCATCACAGCAGCC
AGGAGATGTCTCTGAGTACCGGAGTATGCAGACAGTTTTGGCAAGCCCTCACCCGATACCCGCCGG
GGACATACTTTCTCAGAAGGCTGCTCCAGTGCCTGGTGGGCGGAACCCCTGGACCGGGGTATCCAG
TTCCTGCAGACATCTCAGAAGATCATCCAGTTTCTTCTGGGAAGGAGCCCCAGCCAGGGGAGACAGTCA
TCTATGTGGTGGTGCCTTCGACCTGTTCCACATCGGGCATGTGGACTTCTGGAGAAGGTGCACAGGCT
GGCAGAGAGGCCCTACATCATCGCGGGCTTACACTTTGACCAGGAGGTCAATCACTACAAGGGGAAGAAC
TACCCCATCATGAATCTGCATGAACGGACTCTGAGCGTGTGGCTGCCGTCAGAGTGGTGA
TTGGAGCCCGTACGCGGTACAGCAGAGCTCCTAAGTCACTTCAAGGTGGACCTGGTGTGTACCGGCAA
GACAGAAATTATCCCTGACAGGGATGGCTCCGACCCATACCAGGAGCCCAAGAGAAGGGGATCTTCCGT
CAGATTGACAGTGGCAGCAACCTCACCACAGACCTCATCGTCCAGCGGATCATCACAACAGGTTGGAGT
ATGAGGCGCGAAACCAGAAGAAGGAAGCAAGGAGCTGGCCTTCTGGAGGCTGCCAGGCAGCAGCGCGC
ACAGCCCTGGGGAGCGCGATGGTACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG230021 representing NM_001184917
 Red=Cloning site Green=Tags(s)

MIRNNGRAAGGAEQPGPGRRRAVRVWCDGCDMVMHYGHSNQLRQARAMGDYLIVGVHTDEEIAKHKGPPV
 FTQEERYKMVQAIKWVDEVVPAAPYVTTLETLDKYNCDFCVHGNIDITLTVDGRDTEEVKQAGRYRECKR
 TQGVSTDLVGRMLLVTKAHSSQEMSSEYREYADSF GKPPHP IPAGDILSSEGCSQCPGGRNPWTGVSQ
 FLQTSQKIIQFASGKEPQGETVIYVAGAFDLFHIGHVDFLEKVVHRLAERPYYIIAGLHFDQEVNHYKGN
 YPIMNLHERTSLVACRYVSEVVI GAPYAVTAELL SHFKVDLVCHGKTEIIPDRDSDPYQEPKRRGIFR
 QIDSGSNLTTDLIVQRIITNRLEYEARNQKKEAKELAFLEAARQQAAPLGERDGD

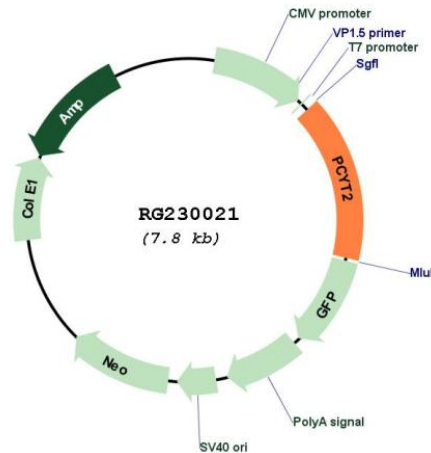
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001184917

ORF Size:	1221 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:	<ol style="list-style-type: none">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_001184917.3
RefSeq Size:	3265 bp
RefSeq ORF:	1224 bp
Locus ID:	5833
UniProt ID:	Q99447
Cytogenetics:	17q25.3
Protein Pathways:	Glycerophospholipid metabolism, Metabolic pathways
Gene Summary:	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]