

## Product datasheet for **SC327472**

### PCYT1B (NM\_001163264) Human Untagged Clone

#### Product data:

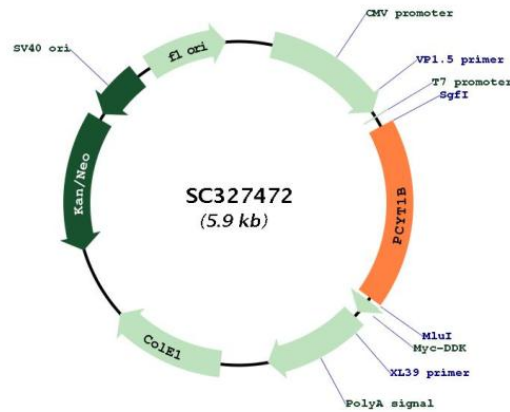
Product Type:	Expression Plasmids
Product Name:	PCYT1B (NM_001163264) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCYT1B
Synonyms:	CCTB; CTB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327472 representing NM_001163264. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTAGGCCATCAGGAGTGCATCATGGAAGAGGACAATCGCGCTCCCAATTGTGGCGCAAGACCCCTG
ACTGCACCTGCCCATTTGCTGATGAAACCAACTGCCAGTGTCAAGCACCCCATGAAAACTGACCATT
GCTCAGGCCCGCTTAGGAACACCAGCTGACAGGCCTGTCAGAGTATACGCCGATGGAATATTTGACCTC
TTCCACTCAGGTCATGCAAGAGCCCTTATGCAAGCAAAAACACTGTTTCCAACAGCTACTTGTGGTA
GGAGTTTGCAGTGTGATCTCACCCACAAATCAAAGTTTACCCTGATGAATGAAGCCGAGAGATAC
GAAGCTCTCAGACTGTGCTACGTAGACGAAGTTATCAGAGATGCTCCCTGGACTCAGCCAGAG
TTTCTGAAAAACACAAGATTGACTTTGTGGCTCATGATGACATTCCTGATTCCTCTGCTGGCTCTGAT
GATGTTTACAAGCACATAAAGGAAGCAGGGATGTTTCGTTCCAACGCAGAGAACAGAAAGGCATCTCAACA
TCGGACATCATTACCAGAATTGTTTCGTGACTATGATGTTTATGCCCGACGTAACCTCCAGAGAGGGTAT
ACAGCCAAGGAAGTGAATGTGAGCTTTATAAATGAGAAGAGGTACCGTTTCCAGAACCAAGTGGACAAA
ATGAAGGAAAAAGTCAAGAAATGTGGAGGAAAGATCAAAGGAATTTGTGAACAGAGTGAAGAAAAAGGC
CATGATCTAATTCAAAAGTGGGAAGAGAAGTCAAGGGAATTCATTGGCAACTTCTAGAAGTGTGGTA
CCTGATGGAGCATGGAAGCAGATGTTCCAGGAGAGGAGCAGCCGGATGCTGCAGGCCTTATCCCCAAG
CAGAGCCCTGTGAGCAGCCCAACCCGGAGCCGGTCCCCTTCCCGCTCCCCATCGCCACCTTCTCATGG
CTTCCACTCAAAACCTCACCCCTTCTCACCCAAAGCAGCCTCAGCCTCTATCAGCAGCATGAGCGAG
GGGGATGAGGATGAAAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001163264

**Insert Size:** 1056 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:** [NM\\_001163264.1](#)

**RefSeq Size:** 5507 bp

**RefSeq ORF:** 1056 bp

**Locus ID:** 9468

UniProt ID: [Q9Y5K3](#)

Cytogenetics: Xp22.11

Protein Families: Stem cell - Pluripotency

Protein Pathways: Glycerophospholipid metabolism, Metabolic pathways

MW: 40.2 kDa

**Gene Summary:** The protein encoded by this gene belongs to the cytidylyltransferase family. It is involved in the regulation of phosphatidylcholine biosynthesis. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

Transcript Variant: This variant (2) contains an alternate 5' terminal exon compared to variant 1. This results in the use of a different start codon, and a shorter isoform (2) with a distinct N-terminus compared to isoform 1.