

## Product datasheet for **RC216978**

### PCYT1B (NM\_004845) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCYT1B (NM_004845) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PCYT1B
Synonyms:	CCTB; CTB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216978 representing NM_004845 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGTAGTTACCACTGATGCTGAGTCAGAAACAGGTATCCCAAAATCCCTTTCCAATGAGCCTCCCT  
CAGAAACCATGGAGGAAATAGAGCACACATGCCACAGCCTCGACTGACCCTGACTGCACCTGCCCAT  
TGCTGATGAAACCACTGCCAGTGTCAAGCACCCATGAAAACTGACCATTGCTCAGGCCCGCTTAGGA  
ACACCAGCTGACAGGCCGTGTCAGAGTACGCCGATGGAATATTTGACCTCTTCCACTCAGGTCATGCAA  
GAGCCCTTATGCAAGCAAAACACTGTTTCCCAACAGCTACTTGTGGTAGGAGTTTGCAGTGATGATCT  
CACCCACAAATCAAAGTTTCACCGTATGAATGAAGCCGAGAGATACGAAGCTCTCAGACACTGTCCG  
TACGTAGACGAAGTTATCAGAGATGCTCCCTGGCACTCACGCCAGAGTTTCTGGAAAAACAAAGATTG  
ACTTTGTGGCTCATGATGACATTCCTGATTCCTCTGCTGGCTCTGATGATGTTTACAAGCACATAAAGGA  
AGCAGGGATGTTTCCTCAACGCAGAGAACAGAAGGCATCTCAACATCGGACATCATTACCAAGATTGTT  
CGTGACTATGATGTTTATGCCCGACGTAACTCCAGAGAGGGTATACAGCCAAGGAACTGAATGTCAGCT  
TTATAAATGAGAAGAGGTACCGTTTCCAGAACCAAGTGGACAAAATGAAGGAAAAAGTCAAGAATGTGGA  
GAAAGATCAAAGGAATTTGTGAACAGAGTGAAGAAAAGAGCCATGATCTAATTCAAAAGTGGGAAGAG  
AAGTCAAGGGAATTCATTGGCACTTCTAGAAGTGTGGACCTGATGGAGCATGGAAGCAGATGTTCC  
AGGAGAGGAGCAGCCGGATGCTGCAGGCCATTATCCCGAAGCAGAGCCCTGTGAGCAGCCCAACCCGGAG  
CCGGTCCCTTCCCGCTCCCATCGCCACCTTCTCATGGCTTCCACTCAAAACCTCACCCCTTCTCTCA  
CCCAAAGCAGCCTCAGCCTCTATCAGCAGCATGAGCGAGGGGGATGAGGATGAAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**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\\_004845.5](#)

**RefSeq Size:** 5447 bp

**RefSeq ORF:** 1110 bp

**Locus ID:** 9468

**UniProt ID:** [Q9Y5K3](#)

**Cytogenetics:** Xp22.11

**Domains:** CTP\_transf\_2

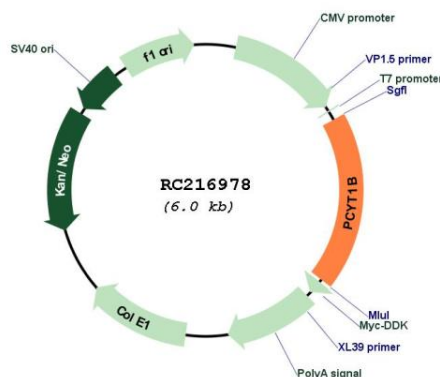
**Protein Families:** Stem cell - Pluripotency

**Protein Pathways:** Glycerophospholipid metabolism, Metabolic pathways

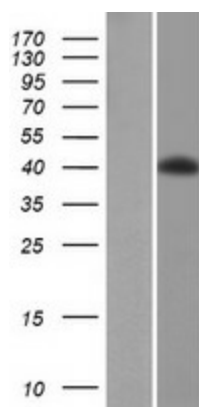
**MW:** 41.8 kDa

**Gene Summary:** The protein encoded by this gene belongs to the cytidyltransferase 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]

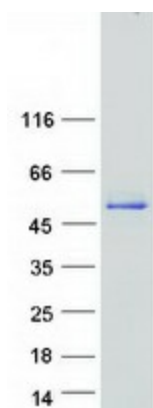
## Product images:



Circular map for RC216978



Western blot validation of overexpression lysate (Cat# [LY417711]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216978 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PCYT1B protein (Cat# [TP316978]). The protein was produced from HEK293T cells transfected with PCYT1B cDNA clone (Cat# RC216978) using MegaTran 2.0 (Cat# [TT210002]).