

Product datasheet for RC216978L4

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OriGene Technologies, Inc.

PCYT1B (NM_004845) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PCYT1B (NM_004845) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: PCYT1B

Synonyms: CCTB; CTB

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC216978).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_004845

ORF Size: 1107 bp





PCYT1B (NM_004845) Human Tagged Lenti ORF Clone - RC216978L4

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: 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: <u>NM 004845.3</u>

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

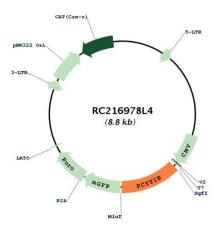
Gene Summary: The protein encoded by this gene belongs to the cytidylyltransferase family. It is involved in

the regulation of phosphatidylcholine biosynthesis. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep

2009]



Product images:



Circular map for RC216978L4