

PCYT1A Blocking Peptide(C-term)
Synthetic peptide
Catalog # BP19716b**Specification**

PCYT1A Blocking Peptide(C-term) - Product Information

Primary Accession [P49585](#)
Other Accession [P19836](#), [P49586](#), [P49584](#), [NP_005008.2](#)

PCYT1A Blocking Peptide(C-term) - Additional Information

Gene ID 5130

Other Names

Choline-phosphate cytidylyltransferase A, CCT-alpha, CTP:phosphocholine cytidylyltransferase A, CCT A, CT A, Phosphorylcholine transferase A, PCYT1A, CTPCT, PCYT1

Target/Specificity

The synthetic peptide sequence is selected from aa 296-309 of HUMAN PCYT1A

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PCYT1A Blocking Peptide(C-term) - Protein Information

Name PCYT1A

Synonyms CTPCT, PCYT1

Function

Catalyzes the key rate-limiting step in the CDP-choline pathway for phosphatidylcholine biosynthesis.

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:P19836}. Membrane {ECO:0000250|UniProtKB:P19836}; Peripheral membrane protein {ECO:0000250|UniProtKB:P19836}. Endoplasmic reticulum. Nucleus Note=It can interconvert between an inactive cytosolic form and an active membrane-bound form. {ECO:0000250|UniProtKB:P19836}

Tissue Location

Brain, placenta, liver, fetal and adult lung.

PCYT1A Blocking Peptide(C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PCYT1A Blocking Peptide(C-term) - Images

PCYT1A Blocking Peptide(C-term) - Background

PCYT1A controls phosphatidylcholine synthesis.

PCYT1A Blocking Peptide(C-term) - References

Mostowska, A., et al. J. Med. Genet. (2010) In press :
Mostowska, A., et al. Eur. J. Oral Sci. 118(4):325-332(2010)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
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