

Datasheet for ABIN7560217  
**PCYT2 Protein (AA 1-404) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PCYT2
Protein Characteristics:	AA 1-404
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCYT2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Pcyt2 Protein expressed in mammalien cells.
Sequence:	<p>MIRNGHGAAS AAGLKPGDQ RIVRVWCDGC YDMVHYGHSN QLRQARAMGD YLIVGVHTDE  EIAKHKGPPV FTQEERYKMV QAIKWVDEVV PAAPYVTTL TLDKHNCDFC VHGNITLTV  DGRDTYEEVK QAGRYRECKR TQGVSTTDLV GRMLLVTKAH HSSQEMSSEY REYADSFQGP  PHPTPAGDTL SSEVSSQCPG GQSPWTGVSQ FLQTSQKIIQ FASGKEPQPG ETVIYVAGAF  DLFHIGHVDF LQEVHKLAKR PYVIAGLHFD QEVNRYKGKN YPIMNLHERT LSVLACRYVS  EVLIGAPYSV TAE LLNHFKV DLVCHGKTEI VPDRDGSDPY QEPKRRGIFY QIDSGSDLTT  DLIVQRIKN RLEYEARNQK KEAKELAFLE ATKQQEAPPG GEID</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

Target:	PCYT2
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Alternative Name:	Pcyt2 ( <a href="#">PCYT2 Products</a> )
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Background:	Ethanolamine-phosphate cytidyltransferase (EC 2.7.7.14) (CTP:phosphoethanolamine cytidyltransferase) (Phosphorylethanolamine transferase),FUNCTION: Ethanolamine-phosphate cytidyltransferase that catalyzes the second step in the synthesis of phosphatidylethanolamine (PE) from ethanolamine via the CDP-ethanolamine pathway (PubMed:17325045). Phosphatidylethanolamine is a dominant inner-leaflet phospholipid in cell membranes, where it plays a role in membrane function by structurally stabilizing membrane-anchored proteins, and participates in important cellular processes such as cell division, cell fusion, blood coagulation, and apoptosis (PubMed:17325045). {ECO:0000269 PubMed:17325045, ECO:0000303 PubMed:17325045}.
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Molecular Weight:	45.2 kDa
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UniProt:	<a href="#">Q922E4</a>
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## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months