

Datasheet for ABIN7550668
PCYT2 Protein (AA 1-389) (His tag)



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Overview

Quantity:	1 mg
Target:	PCYT2
Protein Characteristics:	AA 1-389
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCYT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PCYT2 Protein expressed in mammalian cells.
Sequence:	<p>MIRNGRGAAG GAEQPGPGGR RAVRVWCDGC YDMVHYGHSN QLRQARAMGD YLIVGVHTDE EIAKHKGPPV FTQEERYKMV QAIKWVDEVV PAAPYVTTLT TLDKYNCDFC VHGN DITLTV DGRD TYEEVK QAGRYRECKR TQGVSTTDLV GRMLLVTKAH HSSQEMSSEY REYADSF GKC PGG RNPWTGV SQFLQTSQKI IQFASGKEPQ PGETVIYVAG AFDLFHIGHV DFLEKVHRLA ERPYIAGLH FDQEVNHYKG KNPIMNLHE RTLSVLACRY VSEVVIGAPY AVTAELLSHF KVDLVCHGKT EIIPDRDGSD PYQEPKRRGI FRQIDSGSNL TTDLIVQR II TNRLEYEAR N QKKEAKELAF LEAARQQAAQ PLGERDGD F</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	<div><div>Key Benefits:</div><ul style="list-style-type: none">• 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).<p>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.</p><p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p><p>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.</p></div>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PCYT2
Alternative Name:	PCYT2 (PCYT2 Products)
Background:	<p>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:9083101, PubMed:31637422). 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:9083101).</p> <p>{ECO:0000269 PubMed:31637422, ECO:0000269 PubMed:9083101, ECO:0000303 PubMed:9083101}.</p>
Molecular Weight:	43.8 kDa
UniProt:	Q99447

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

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