

Datasheet for ABIN7558485
PCYT1B Protein (AA 1-369) (His tag)



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Overview

Quantity:	1 mg
Target:	PCYT1B
Protein Characteristics:	AA 1-369
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCYT1B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pcyt1b Protein expressed in mammalian cells.
Sequence:	MPVLTTDAES ETGIPKSLSN EPPSETMEEI EHTCPQRLT LTAPAPFADE SSCQCQAPHE KLTVAQARLG TPVDRPVRVY ADGIFDLFHS GHARALMQAK TLPNSYLLV GVCSDLTHK FKGFTVMNEA ERYEALRHCR YVDEVIRDAP WLTPEFLEK HKIDFVAHDD IPYSSAGSDD VYKHIKEAGM FVPTQRTEGI STSDIITRIV RDYDVYARRN LQRGYTAKEL NVSFINEKKY RFQNQVDKMK EKVKNVEERS KEFVNRVEEK SHDLIQWEE KSREFIGNFL ELFGPDGAWK QMFQERSSRM LQALSPKQSP VSSPTRSRSP SRSPSPTFSW LPNKTSPSS PKAASASISS MSEGDEDEK 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.
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
Grade:	custom-made

Target Details

Target:	PCYT1B
Alternative Name:	Pcyt1b (PCYT1B Products)
Background:	Choline-phosphate cytidylyltransferase B (EC 2.7.7.15) (CCT-beta) (CTP:phosphocholine cytidylyltransferase B) (CCT B) (CT B) (Phosphorylcholine transferase B),FUNCTION: [Isoform 1]: Catalyzes the key rate-limiting step in the CDP-choline pathway for phosphatidylcholine biosynthesis (PubMed:12842190). Plays an important role in ovary maturation and the maintenance of sperm production (PubMed:15143167). {ECO:0000269 PubMed:12842190, ECO:0000269 PubMed:15143167}., FUNCTION: [Isoform 2]: Catalyzes the key rate-limiting step in the CDP-choline pathway for phosphatidylcholine biosynthesis. {ECO:0000269 PubMed:12842190}.
Molecular Weight:	41.9 kDa
UniProt:	Q811Q9

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. 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