

Datasheet for ABIN7546721
CPT1B Protein (AA 1-772) (His tag)



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Overview

Quantity:	1 mg
Target:	CPT1B
Protein Characteristics:	AA 1-772
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPT1B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CPT1B Protein expressed in mammalian cells.
Sequence:	MAEAHQAVAF QFTVTPDGVD FRLSREALKH VYLSGINSWK KRLIRIKNGI LRGVYPGSPT SWLVVIMATV GSSFCNVDIS LGLVSCIQRC LPQGCGPYQT PQTRALLSMA IFSTGVVWTG IFFFRQTLKL LLCYHGWMFE MHGKTSNLTR IWAMCIRLLS SRHPMLYSFQ TSLPKLPVPR VSATIQRYLE SVRPLLDDEE YYRMELLAKE FQDKTAPRLQ KYLVKSWWA SNYVSDWWEE YIYLRGRSPL MVNSNYVMD LVLIKNTDVQ AARLGNIIHA MIMYRRKLDL EEIKPVMALG IVPMCSYQME RMFNTRIPG KDTDVLQHLS DSRHVAVYHK GRFFKLWLYE GARLLKPQDL EMQFQRILDD PSPQPGEK LAALTAGGRV EWAQARQAFF SSGKNKAAL AIERAAFFVA LDEESYSYDP EDEASLSLYG KALLHGNCYN RWFDKSFTLI SFKNGQLGLN AEHAWADAPI IGHLWEFVLG TDSFHLGYTE TGHCLGKPNP ALAPPTRLQW DIPKQCQAVI ESSYQVAKAL ADDVELYCFQ FLPGKGLIK KCRTSPDAFV QIALQLAHFR DRGKFCLTYE ASMTRMFREG RTETVRSCTS ESTAFVQAMM EGSHTKADLR DLFQKAARKH QNMYRLAMTG AGIDRHLFCL

Product Details

YLVSKYLGVS SPFLAEVLSE PWRLSTSQIP QSQIRMFDP E QHPNHLGAGG GFPGVADDGY
GVSYMIAGEN TIFFHISSKF SSSETNAQRF GNHIRKALLD IADLFQVPKA YS **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:

- 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:

CPT1B

Alternative Name:

CPT1B ([CPT1B Products](#))

Background:

Carnitine O-palmitoyltransferase 1, muscle isoform (CPT1-M) (EC 2.3.1.21) (Carnitine O-palmitoyltransferase I, muscle isoform) (CPT I) (CPTI-M) (Carnitine palmitoyltransferase 1B) (Carnitine palmitoyltransferase I-like protein),FUNCTION: Catalyzes the transfer of the acyl group of long-chain fatty acid-CoA conjugates onto carnitine, an essential step for the mitochondrial uptake of long-chain fatty acids and their subsequent beta-oxidation in the mitochondrion. {ECO:0000250|UniProtKB:Q63704}.

Molecular Weight:

87.8 kDa

Target Details

UniProt: [Q92523](#)

Pathways: [AMPK Signaling, Monocarboxylic Acid Catabolic Process](#)

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.

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
