

Datasheet for ABIN7547934  
**ACBD3 Protein (AA 1-528) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | ACBD3 (Acbd3)                                |
| Protein Characteristics:      | AA 1-528                                     |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This ACBD3 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)        |

## Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinat ACBD3 Protein expressed in mammalian cells.  |
| Sequence: | <p>MAAVLNAERL EVSVDGLTLS PDPEERPGAE GAPLLPPPLP PPSPPGSGRG PGASGEQPEP<br/>GAAAAGGAAE EARRLEQRWG FGLEELYGLA LRFFKEKD GK AFHPTYEEKL KLVALHKQVL<br/>MGPYNPDTCP EVGFFDVLGN DRRREWAALG NMSKEDAMVE FVKLLNRCCH LFSTYVASHK<br/>IEKEEQEKKR KEEEEERRRE EEEERLQKE EEKRRREEEE RLRREEEERR RIEEERLRLE<br/>QQKQQIMAAL NSQTAVQFQQ YAAQYYPGNY EQQQILIRQL QEQHYQQYMQ QLYQVQLAQQ<br/>QAALQKQEV VVAGSSLPTS SKVNATVPSN MMSVNGQAKT HTDSSEKELE PEAEEEEALEN<br/>GPKESLPVIA APSMWTRPQI KDFKEKIQD ADSVITVGRG EVTVRVPTH EEGSYLWFEF<br/>ATDNYDIGFG VYFEWTDSPN TAVSVHVSES SDDDEEEEEE IGCEEKAKKN ANKPLLDEIV<br/>PVYRRDCHEE VYAGSHQYPG RGVYLLKFDN SYSLWRSKSV YYRVYYTR <b>Sequence without tag.</b></p> <p><b>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</b></p> |

## Product Details

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### special request, please contact us.

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#### 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

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#### Target:

ACBD3 (Acbd3)

#### Alternative Name:

ACBD3 ([Acbd3 Products](#))

#### Background:

Golgi resident protein GCP60 (Acyl-CoA-binding domain-containing protein 3) (Golgi complex-associated protein 1) (GOCAP1) (Golgi phosphoprotein 1) (GOLPH1) (PBR- and PKA-associated protein 7) (Peripheral benzodiazepine receptor-associated protein PAP7) [Cleaved into: Golgi resident protein GCP60, N-terminally processed],FUNCTION: Involved in the maintenance of Golgi structure by interacting with giantin, affecting protein transport between the endoplasmic reticulum and Golgi (PubMed:11590181). Involved in hormone-induced steroid biosynthesis in testicular Leydig cells (By similarity). Recruits PI4KB to the Golgi apparatus membrane, enhances the enzyme activity of PI4KB activity via its membrane recruitment thereby increasing the local concentration of the substrate in the vicinity of the kinase (PubMed:27009356). {ECO:0000250|UniProtKB:Q8BMP6, ECO:0000269|PubMed:11590181, ECO:0000269|PubMed:27009356}., FUNCTION: (Microbial infection) Plays an essential role in Aichi virus RNA replication by recruiting PI4KB at the viral replication sites.

## Target Details

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{ECO:0000269|PubMed:22124328, ECO:0000269|PubMed:22258260, ECO:0000269|PubMed:27989622}.

Molecular Weight: 60.6 kDa

UniProt: [Q9H3P7](#)

## Application Details

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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

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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