

Datasheet for ABIN7545249  
**ZDHHC16 Protein (AA 1-377) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZDHHC16
Protein Characteristics:	AA 1-377
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZDHHC16 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ZDHHC16 Protein expressed in mammalian cells.
Sequence:	<p>MRGQRSLLLG PARLCLRLLL LLGYRRRCPP LLRGLVQRWR YGKVCLRSLL YNSFGGSDTA VDAAFEPVYW LVDNVIRWFG VVFWLVIVL TGSIVAIAYL CVLPLILRTY SVPRLCWHFF YSHWNLILIV FHYYQAITTP PGYPPQGRND IATVSICKKC IYPKPARTHH CSICNRCVLK MDHHC PWLNN CVGHYNHRYF FSFCFFMTLG CVYCSYGSWD LFREAYAAIE KMKQLDKNKL QAVANQTYHQ TPPPTFSFRE RMTHKSLVYL WFLCSSVALA LGALTVWHAV LISRGETSIE RHINKKERRR LQAKGRVFRN PYNYGCLDNW KVFLGVDTGR HWLTRVLLPS SHLPHGNGMS WEPPPWVTAH SASVMAV <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>
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.
Characteristics:	Key Benefits:

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	ZDHHC16
Alternative Name:	ZDHHC16 ( <a href="#">ZDHHC16 Products</a> )
Background:	Palmitoyltransferase ZDHHC16 (EC 2.3.1.225) (Abl-philin 2) (Zinc finger DHHC domain-containing protein 16) (DHHC-16),FUNCTION: Palmitoyl acyltransferase that mediates palmitoylation of proteins such as PLN and ZDHHC6 (PubMed:28826475). Required during embryonic heart development and cardiac function, possibly by mediating palmitoylation of PLN, thereby affecting PLN phosphorylation and homooligomerization (By similarity). Also required for eye development (By similarity). Palmitoylates ZDHHC6, affecting the quaternary assembly of ZDHHC6, its localization, stability and function (PubMed:28826475). May play a role in DNA damage response (By similarity). May be involved in apoptosis regulation (By similarity). Involved in the proliferation of neural stem cells by regulating the FGF/ERK pathway (By similarity). {ECO:0000250 UniProtKB:B8A4F0, ECO:0000250 UniProtKB:Q9ESG8, ECO:0000269 PubMed:28826475}.
Molecular Weight:	43.6 kDa
UniProt:	<a href="#">Q969W1</a>

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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