

Datasheet for ABIN7545292  
**ZDHHC7 Protein (AA 1-308) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ZDHHC7
Protein Characteristics:	AA 1-308
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZDHHC7 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ZDHHC7 Protein expressed in mammalian cells.
Sequence:	<p>MQPSGHRLRD VEHHPLLAEN DNYDSSSSSS SEADVADRVW FIRDGCGMIC AVMTWLLVAY ADFWVTFVML LPSKDFWYSV VNGVIFNCLA VLALSSHLRT MLTPGAVPK GNATKEYMES LQLKPGEVIY KCPKCCCIKP ERAHHC SICK RCIRKMDHHC PWVNNCVGEK NQRFFVLFTM YIALSSVHAL ILCGFQFISC VRGQWTECSD FSPPITVILL IFLCLEGLLF FTFTAVMFGT QIHSICNDET EIERLKSEKP TWERRLRWEG MKSVFGGPPS LLWMNPFVGF RFRRLPTRPR KGGPEFSV <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)
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Grade:	custom-made
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## Target Details

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Target:	ZDHHC7
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Alternative Name:	ZDHHC7 ( <a href="#">ZDHHC7 Products</a> )
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Background:	Palmitoyltransferase ZDHHC7 (EC 2.3.1.225) (Acytransferase ZDHHC7) (EC 2.3.1.-) (Zinc finger DHHC domain-containing protein 7) (DHHC-7),FUNCTION: Golgi-localized palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates and therefore functions in several unrelated biological processes (PubMed:22031296, PubMed:27380321, PubMed:28196865). Has no stringent fatty acid selectivity and in addition to palmitate can also transfer onto target proteins myristate from tetradecanoyl-CoA and stearate from octadecanoyl-CoA (By similarity). Palmitoylates sex steroid hormone receptors, including ESR1, PGR and AR, thereby regulating their targeting to the plasma membrane and their function in rapid intracellular signaling upon binding of sex hormones (PubMed:22031296). Palmitoylates GNAQ, a heterotrimeric G protein, regulating its dynamic localization at the plasma membrane and is thereby involved in GNAQ-dependent G protein-coupled receptor signaling pathways (PubMed:19001095). Functions also in ligand-induced cell death by regulating the FAS signaling pathway through the palmitoylation and stabilization of the receptor at the plasma membrane (PubMed:25301068). In epithelial cells, palmitoylates SCRIB and regulates its localization to the
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## Target Details

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plasma membrane, regulating indirectly cell polarity and differentiation (PubMed:27380321). Also palmitoylates JAM3 and promotes its expression at tight junctions and regulates its function in cell migration (PubMed:28196865). Palmitoylates the glucose transporter GLUT4/SLC2A4 and controls the insulin-dependent translocation of GLUT4 to the plasma membrane (By similarity). In brain, could also palmitoylate SNAP25 and DLG4/PSD95 (By similarity). Could also palmitoylate DNAJC5 and regulate its localization to the Golgi membrane (By similarity). Could also palmitoylate NCDN (By similarity). May play a role in follicle stimulation hormone (FSH) activation of testicular Sertoli cells (By similarity). {ECO:0000250|UniProtKB:Q91WU6, ECO:0000250|UniProtKB:Q923G5, ECO:0000269|PubMed:19001095, ECO:0000269|PubMed:22031296, ECO:0000269|PubMed:25301068, ECO:0000269|PubMed:27380321, ECO:0000269|PubMed:28196865}.

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Molecular Weight: 35.1 kDa

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UniProt: [Q9NXF8](#)

## 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

## 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