

Datasheet for ABIN7545435
ZDHHC2 Protein (AA 1-367) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ZDHHC2
Protein Characteristics:	AA 1-367
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZDHHC2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZDHHC2 Protein expressed in mammalian cells.
Sequence:	MAPSGPGSSA RRRRCRRVLYW IPVVFITLLL GWSYYAYAIQ LCIVSMENGT EQVCLMAYH LLFAMFVWSY WKTIFTLPMN PSKEFHLSYA EKDLLEREPR GEAHQEVLRR AAKDLPIYTR TMSGAIRYCD RCQLIKPDRC HHCSVCDKCI LKMDHHCPWV NNCVGFSNYK FLLFLAYSL LYCLFIAATD LQYFIKFTN GLPDTQAKFH IMFLFFAAAM FSVSLSSLFG YHCWLVSKNK STLEAFRSPV FRHGTDKNGF SLGFSKNMRQ VFGDEKKYWL LPIFSSLGDG CSFPTCLVNQ DPEQASTPAG LNSTAKNLEN HQFPAKPLRE SQSHLLTDSQ SWTESSINPG KCKAGMSNPA LTMENET 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.
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

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ZDHHC2
Alternative Name:	ZDHHC2 (ZDHHC2 Products)
Background:	Palmitoyltransferase ZDHHC2 (EC 2.3.1.225) (Acylyltransferase ZDHHC2) (EC 2.3.1.-) (Reduced expression associated with metastasis protein) (Ream) (Reduced expression in cancer protein) (Rec) (Zinc finger DHHC domain-containing protein 2) (DHHC-2) (Zinc finger protein 372),FUNCTION: Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates and is involved in a variety of cellular processes (PubMed:18508921, PubMed:18296695, PubMed:19144824, PubMed:21343290, PubMed:22034844, PubMed:23793055). 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). In the nervous system, plays a role in long term synaptic potentiation by palmitoylating AKAP5 through which it regulates protein trafficking from the dendritic recycling endosomes to the plasma membrane and controls both structural and functional plasticity at excitatory synapses (By similarity). In dendrites, mediates the palmitoylation of DLG4 when synaptic activity decreases and induces synaptic clustering of DLG4 and associated AMPA-type glutamate receptors (By similarity). Also mediates the de

Target Details

novo and turnover palmitoylation of RGS7BP, a shuttle for Gi/o-specific GTPase-activating proteins/GAPs, promoting its localization to the plasma membrane in response to the activation of G protein-coupled receptors. Through the localization of these GTPase-activating proteins/GAPs, it also probably plays a role in G protein-coupled receptors signaling in neurons (By similarity). Also probably plays a role in cell adhesion by palmitoylating CD9 and CD151 to regulate their expression and function (PubMed:18508921). Palmitoylates the endoplasmic reticulum protein CKAP4 and regulates its localization to the plasma membrane (PubMed:18296695, PubMed:19144824). Could also palmitoylate LCK and regulate its localization to the plasma membrane (PubMed:22034844). {ECO:0000250|UniProtKB:P59267, ECO:0000250|UniProtKB:Q9JKR5, ECO:0000269|PubMed:18296695, ECO:0000269|PubMed:18508921, ECO:0000269|PubMed:19144824, ECO:0000269|PubMed:21343290, ECO:0000269|PubMed:22034844, ECO:0000269|PubMed:23793055}., FUNCTION: (Microbial infection) Promotes Chikungunya virus (CHIKV) replication by mediating viral nsp1 palmitoylation. {ECO:0000269|PubMed:30404808}.

Molecular Weight: 42.0 kDa

UniProt: [Q9UIJ5](#)

Application Details

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.

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