

Datasheet for ABIN7545621

## ZDHHC15 Protein (AA 1-337) (His tag)



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### Overview

Quantity:	1 mg
Target:	ZDHHC15
Protein Characteristics:	AA 1-337
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZDHHC15 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant ZDHHC15 Protein expressed in mammalian cells.
Sequence:	<p>MRRGWKMALS GGLRCCRRVL SWVPVLVIVL VVLWSYYAYV FELCLVTVLS PAEKVIYLIL</p> <p>YHAIFVFFTW TYWKSIFTLP QQPQKFHLS YTDKERYENE ERPEVQKQML VDMAKKLPVY</p> <p>TRTGSGAVRF CDRCHLIKPD RCHHCSVCAM CVLKMDHHCP WVNNCIGFSN YKFFLQFLAY</p> <p>SVLYCLYIAT TVFSYFIKYW RGELPSVRSK FHVLFLLFVA CMFFVSLVIL FGYHCWLVS</p> <p>NKTTLEAFCT PVFTSGPEKN GFNLGFIKNI QQVFGDKKKF WLPIGSSPG DGHSFPMRSM</p> <p>NESQNPLLAN EETWEDNEDD NQDYPEGSSS LAVETET <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.

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

## Target Details

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Target:	ZDHHC15
Alternative Name:	ZDHHC15 ( <a href="#">ZDHHC15 Products</a> )
Background:	<p>Palmitoyltransferase ZDHHC15 (EC 2.3.1.225) (Acyltransferase ZDHHC15) (EC 2.3.1.-) (Zinc finger DHHC domain-containing protein 15) (DHHC-15),FUNCTION: Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates (PubMed:18817523, PubMed:23034182). 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 IGF2R and SORT1, promoting their partitioning to an endosomal membrane subdomain where they can interact with the retromer cargo-selective complex (PubMed:18817523). Thereby, regulates retrograde transport from endosomes to the Golgi apparatus of these lysosomal sorting receptors and plays a role in trafficking of lysosomal proteins (PubMed:18817523). In the nervous system, catalyzes the palmitoylation of DLG4/PSD95 and regulates its synaptic clustering and function in synaptogenesis (By similarity). Could be involved in the differentiation of dopaminergic neurons and the development of the diencephalon (By similarity). Could also catalyze the palmitoylation of GAP43 (By similarity). Could also palmitoylate DNAJC5 and regulate its localization to the</p>

## Target Details

	Golgi membrane (By similarity). Could also palmitoylate FYN as shown in vitro (PubMed:19956733). {ECO:0000250 UniProtKB:F1QXD3, ECO:0000250 UniProtKB:Q8BGJ0, ECO:0000269 PubMed:18817523, ECO:0000269 PubMed:19956733, ECO:0000269 PubMed:23034182}.
Molecular Weight:	39.3 kDa
UniProt:	<a href="#">Q96MV8</a>

## 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