

Datasheet for ABIN7545251
ZDHHC21 Protein (AA 1-265) (His tag)



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Overview

Quantity:	1 mg
Target:	ZDHHC21
Protein Characteristics:	AA 1-265
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZDHHC21 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZDHHC21 Protein expressed in mammalian cells.
Sequence:	MGLRIHFVVD PHGWCCMGLI VFVWLYNIVL IPKIVLFPHY EEGHIPGILI IIFYGISIFC LVALVRASIT DPGRLPENPK IPHGEREFWE LCNKCNLMRP KRSHHCSRGC HCVRMDHHC PWINNCVGED NHWLFLQLCF YTELLTCYAL MFSFCHYYYYF LPLKKNLNDL FVFRHELAIM RLAAFMGITM LVGITGLFYT QLIGIITDTT SIEKMSNCCE DISRPRKPWQ QTFSEVFGTR WKILWFIPFR QRQPLRVYPYH FANHV 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	ZDHHC21
Alternative Name:	ZDHHC21 (ZDHHC21 Products)
Background:	<p>Palmitoyltransferase ZDHHC21 (EC 2.3.1.225) (DHHC domain-containing cysteine-rich protein 21) (DHHC-21) (Zinc finger DHHC domain-containing protein 21),FUNCTION:</p> <p>Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates (PubMed:22031296). Palmitoylates sex steroid hormone receptors, including ESR1, PGR and AR, thereby regulating their targeting to the plasma membrane (PubMed:22031296). This affects rapid intracellular signaling by sex hormones via ERK and AKT kinases and the generation of cAMP, but does not affect that mediated by their nuclear receptor (PubMed:22031296). Palmitoylates FYN, regulates its localization in hair follicles and plays a key role in epidermal homeostasis and hair follicle differentiation. Through the palmitoylation of PLCB1 and the regulation of PLCB1 downstream signaling may indirectly regulate the function of the endothelial barrier and the adhesion of leukocytes to the endothelium. Has also a palmitoyltransferase activity toward ADRA1D, positively regulating its activity and expression and may thereby play a role in vascular contraction. May also palmitoylate eNOS and LCK (By similarity). {ECO:0000250 UniProtKB:Q9D270, ECO:0000269 PubMed:22031296}.</p>
Molecular Weight:	31.4 kDa

Target Details

UniProt: [Q8IVQ6](#)

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