

Datasheet for ABIN7556086
ZDHHC8 Protein (AA 1-765) (His tag)



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Overview

Quantity:	1 mg
Target:	ZDHHC8
Protein Characteristics:	AA 1-765
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZDHHC8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZDHHC8 Protein expressed in mammalian cells.
Sequence:	<p>MPRSPGTRLK PAKYIPVATA AALLVGSSTL FFVFTCPWLT RAVSPAHPVY NGIIFLFVLA NFSMATFMDP GVFPRADEDE DKEDDFRAPL YKNVDVRGIQ VRMKWCATCH FYRPPRCSHC SVCDCNCVEDF DHHCPWVNNC IGRRNYRYFF LFLLSLSAHM VGVVAFGLVY VLNHAEGLGA AHTTITMAVM CVAGLFFIPV IGLTGFHVVL VTRGRTTNEQ VTGKFRGGVN PFTRGCCGNV EHVLC SPLAP RYVVEPPRLP LAVSLKPPFL RPELLDRAAP LKVKLSDNGL KAGLGRSKSK GSLDRLDEKP LD LGPPLPPK IEAGTFSSDL QTPRPGSAES ALSVQRTSPP TPAMYKFRPA FPTGPKVPFC GPGEQVPGPD SLTLGDDSIR SLDFVSEPSL DLPDYGPGGL HAA YPPSPPL SASDAFSGAL RSLSLKASSR RGGDHVALQP LRSEGGPPTP HRSIFAPHAL PNRNGSLSYD SLLNPGSPGG HACPAHPAVG VAGYHSPYLH PGATGDPPRP LPRSFSPVLG PRPREPSVVR YDNLRTIMA SIQERKDREE RERLLRSQAD SLFGDSGVYD APSSYSLQQA SVLSEGPRGP ALRYGSRDDL VAGPGFGGAR NPALQTSLS LSSSVSRAPR TSSSSLQADQ ASSNAPGPRP SSGSHRSPAR QGLPSPPGTP HPSYAGPKA VAFIHTDLPE PPPSLTVQRD HPQLKTPPSK</p>

Product Details

LNGQSPGLAR LGPATGPPGP SASPTRHTLV KKVSGVGGTT YEISV **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:**

- 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: ZDHHC8

Alternative Name: ZDHHC8 ([ZDHHC8 Products](#))

Background: Palmitoyltransferase ZDHHC8 (EC 2.3.1.225) (Zinc finger DHHC domain-containing protein 8) (DHHC-8) (Zinc finger protein 378),FUNCTION: Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates and therefore functions in several unrelated biological processes (Probable). Through the palmitoylation of ABCA1 regulates the localization of the transporter to the plasma membrane and thereby regulates its function in cholesterol and phospholipid efflux (Probable). Could also palmitoylate the D(2) dopamine receptor DRD2 and regulate its stability and localization to the plasma membrane (Probable). Could also play a

Target Details

role in glutamatergic transmission (By similarity). {ECO:0000250|UniProtKB:Q5Y5T5, ECO:0000305|PubMed:19556522, ECO:0000305|PubMed:23034182, ECO:0000305|PubMed:26535572}., FUNCTION: (Microbial infection) Able to palmitoylate SARS coronavirus-2/SARS-CoV-2 spike protein following its synthesis in the endoplasmic reticulum (ER). In the infected cell, promotes spike biogenesis by protecting it from premature ER degradation, increases half-life and controls the lipid organization of its immediate membrane environment. Once the virus has formed, spike palmitoylation controls fusion with the target cell. {ECO:0000269|PubMed:34599882}.

Molecular Weight: 81.4 kDa

UniProt: [Q9ULC8](#)

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