Datasheet for ABIN7556128

ZDHHC17 Protein (AA 1-632) (His tag)

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Overview

Quantity:	1 mg
Target:	ZDHHC17
Protein Characteristics:	AA 1-632
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZDHHC17 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZDHHC17 Protein expressed in mammalian cells.
Sequence:	MQREEGFNTK MADGPDEYDT EAGCVPLLHP EEIKPQSHYN HGYGEPLGRK THIDDYSTWD IVKATQYGIY ERCRELVEAG YDVRQPDKEN VTLLHWAAIN NRIDLVKYYI SKGAIVDQLG GDLNSTPLHW ATRQGHLSMV VQLMKYGADP SLIDGEGCSC IHLAAQFGHT SIVAYLIAKG QDVDMMDQNG MTPLMWAAYR THSVDPTRLL LTFNVSVNLG DKYHKNTALH WAVLAGNTTV ISLLLEAGAN VDAQNIKGES ALDLAKQRKN VWMINHLQEA RQAKGYDNPS FLRKLKADKE FRQKVMLGTP FLVIWLVGFI ADLNIDSWLI KGLMYGGVWA TVQFLSKSFF DHSMHSALPL GIYLATKFWM YVTWFFWFWN DLNFLFIHLP FLANSVALFY NFGKSWKSDP GIIKATEEQK KKTIVELAET GSLDLSIFCS TCLIRKPVRS KHCGVCNRCI AKFDHHCPWV GNCVGAGNHR YFMGYLFFLL FMICWMIYGC ISYWGLHCET TYTKDGFWTY ITQIATCSPW MFWMFLNSVF HFMWVAVLLM CQMYQISCLG ITTNERMNAR RYKHFKVTTT SIESPFNHGC VRNIIDFFEF RCCGLFRPVI VDWTRQYTIE YDQISGSGYQ LV **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity**

Product Details

	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:	ZDHHC17
Alternative Name:	ZDHHC17 (ZDHHC17 Products)
Background:	Palmitoyltransferase ZDHHC17 (EC 2.3.1.225) (Acyltransferase ZDHHC17) (EC 2.3.1.-) (DHHC domain-containing cysteine-rich protein 17) (DHHC17) (Huntingtin yeast partner H) (Huntingtin-interacting protein 14) (HIP-14) (Huntingtin-interacting protein 3) (HIP-3) (Huntingtin-interacting protein H) (Putative MAPK-activating protein PM11) (Putative NF-kappa-B-activating protein 205) (Zinc finger DHHC domain-containing protein 17),FUNCTION: Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates and is involved in a variety of cellular processes (PubMed:15489887, PubMed:15603740, PubMed:24705354, PubMed:27911442, PubMed:28757145). Has no stringent fatty acid selectivity and in addition to palmitate can also transfer onto target proteins myristate from tetradecanoyl-CoA and

Target Details

	stearate from octadecanoyl-CoA (By similarity). Palmitoyltransferase specific for a subset of neuronal proteins, including SNAP25, DLG4/PSD95, GAD2, SYT1 and HTT (PubMed:15603740, PubMed:15489887, PubMed:19139280, PubMed:28757145). Also palmitoylates neuronal protein GPM6A as well as SPRED1 and SPRED3 (PubMed:24705354). Could also play a role in axonogenesis through the regulation of NTRK1 and the downstream ERK1/ERK2 signaling cascade (By similarity). May be involved in the sorting or targeting of critical proteins involved in the initiating events of endocytosis at the plasma membrane (PubMed:12393793). May play a role in Mg(2+) transport (PubMed:18794299). Could also palmitoylate DNAJC5 and regulate its localization to the Golgi membrane (By similarity). Palmitoylates CASP6, thereby preventing its dimerization and subsequent activation (PubMed:27911442). {ECO:0000250|UniProtKB:Q80TN5, ECO:0000269|PubMed:12393793, ECO:0000269|PubMed:15489887, ECO:0000269|PubMed:15603740, ECO:0000269|PubMed:18794299, ECO:0000269|PubMed:19139280, ECO:0000269|PubMed:24705354, ECO:0000269|PubMed:27911442, ECO:0000269|PubMed:28757145}.
Molecular Weight:	72.6 kDa
UniProt:	Q8IUH5

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