

Datasheet for ABIN7545290
ZDHHC12 Protein (AA 1-267) (His tag)



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Overview

Quantity:	1 mg
Target:	ZDHHC12
Protein Characteristics:	AA 1-267
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZDHHC12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZDHHC12 Protein expressed in mammalian cells.
Sequence:	MAPWALLSPG VLVRTGHTVL TWGITLVFL HDTELRLQWEE QGELLPLTF LLLVLGSLLL YLAVSLMDPG YVNVQPQPQE ELKEEQTAMV PPAIPLRRCR YCLVLQPLRA RHCRECRRCV RRYDHHCPWM ENCVGERNHP LFFVYLALQL VLLWGLYLA WSGLRFFQPW GQWLRSSGLL FATFLLSLF SLVASLLVS HLYLVASNTT TWEFISSHRI AYLRQRPSNP FDRGLTRNLA HFFCGWPSGS WETLWAEEEE EGSSPAV 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:	ZDHHC12
Alternative Name:	ZDHHC12 (ZDHHC12 Products)
Background:	Palmitoyltransferase ZDHHC12 (EC 2.3.1.225) (DHHC domain-containing cysteine-rich protein 12) (DHHC-12) (Zinc finger DHHC domain-containing protein 12) (Zinc finger protein 400),FUNCTION: Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates (PubMed:36586411). Has a palmitoyltransferase activity toward gephyrin/GPHN, regulating its clustering at synapses and its function in gamma-aminobutyric acid receptor clustering (By similarity). Thereby, indirectly regulates GABAergic synaptic transmission (By similarity). Acts as an inhibitor of the NLRP3 inflammasome by mediating palmitoylation of NLRP3, thereby promoting NLRP3 degradation by the chaperone-mediated autophagy (CMA) process (PubMed:36586411). {ECO:0000250 UniProtKB:Q8VC90, ECO:0000269 PubMed:36586411}.
Molecular Weight:	30.8 kDa
UniProt:	Q96GR4

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
