Datasheet for ABIN7562531

CIDEB Protein (AA 1-219) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	CIDEB
Protein Characteristics:	AA 1-219
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CIDEB protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cideb Protein expressed in mammalian cells.
Sequence:	MEYLSAFNPN GLLRSVSTVS SELSRRVWNS APPPQRPFRV CDHKRTVRKG LTAASLQELL DKVLETLLLR GVLTLVLEED GTAVDSEDFF QLLEDDTCLM VLEQGQSWSP KSGMLSYGLG REKPKHSKDI ARITFDVYKQ NPRDLFGSLN VKATFYGLYS MSCDFQGVGP KRVLRELLRW TSSLLQGLGH MLLGISSTLR HVVEGADRWQ WHGQRHLHS **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.

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:	CIDEB
Alternative Name:	Cideb (CIDEB Products)
Background:	Lipid transferase CIDEB (Cell death activator CIDE-B) (Cell death-inducing DFFA-like effector B),FUNCTION: Lipid transferase specifically expressed in hepatocytes, which promotes unilocular lipid droplet formation by mediating lipid droplet fusion (PubMed:26733203). Lipid droplet fusion promotes their enlargement, restricting lipolysis and favoring lipid storage (PubMed:26733203). Localizes on the lipid droplet surface, at focal contact sites between lipid droplets, and mediates atypical lipid droplet fusion by promoting directional net neutral lipid transfer from the smaller to larger lipid droplets (By similarity). The transfer direction may be driven by the internal pressure difference between the contacting lipid droplet pair (By similarity). Promotes lipid exchange and lipid droplet fusion in both small and large lipid droplet-containing hepatocytes (PubMed:26733203). In addition to its role in lipid droplet fusion, also involved in cytoplasmic vesicle biogenesis and transport (PubMed:19187774, PubMed:23297397, PubMed:30858281). Required for very-low-density lipoprotein (VLDL) lipidation and maturation (PubMed:19187774, PubMed:23297397). Probably involved in the biogenesis of VLDL transport vesicles by forming a COPII vesicle coat and facilitating the formation of endoplasmic reticulum-derived large vesicles (PubMed:23297397). Also involved

Target Details

	in sterol-regulated export of the SCAP-SREBP complex, composed of SCAP, SREBF1/SREBP1 and SREBF2/SREBP2, by promoting loading of SCAP-SREBP into COPII vesicles (PubMed:30858281). May also activate apoptosis (PubMed:9564035). {ECO:0000250|UniProtKB:P56198, ECO:0000269|PubMed:19187774, ECO:0000269|PubMed:23297397, ECO:0000269|PubMed:26733203, ECO:0000269|PubMed:30858281, ECO:0000269|PubMed:9564035}.
Molecular Weight:	24.8 kDa
UniProt:	O70303

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