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Datasheet for ABIN7550723
PLIN1 Protein (AA 1-522) (His tag)

Overview

Quantity:	1 mg
Target:	PLIN1
Protein Characteristics:	AA 1-522
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLIN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PLIN1 Protein expressed in mammalian cells.
Sequence:	<p>MAVNKGLTLL DGDLPQENV LQRVLQLPVV SGTCECFQKT YTSTKEAHPL VASVCNAYEK GVQSASSLAA WSMEPVVRRLL STQFTAANEL ACRGLDHLEE KIPALQYPPE KIASLKDITI STRLRSARNS ISVPIASTSD KVLGAALAGC ELAWGVARDT AEFAANTRAG RLASGGADLA LGSIEKVVEY LLPPDKEESA PAPGHQQAQK SPKAKPSLLS RVGALTNTLS RYTVQTMARA LEQGHTVAMW IPGVVPLSSL AQWGVASVAMQ AVSRRRSEVR VPWLHSLAAA QEEDHEDQTD TEGEDTEEEE ELETEENKFS EVAALPGPRG LLGGVAHTLQ KTLQTTISAV TWAPAAVLGM AGRVLHLTPA PAVSSTKGRA MSLSDALGV TDNVVDTVVH YVPLPRLSLM EPESEFRDID NPPAEVERRE AERRASGAPS AGPEPAPRLA QPRRSLRSAQ SPGAPPGPGL EDEVATPAAP RPGFPAVPRE KPKRRVSDSF FRPSVMEPIL GRTHYSQLRK KS 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.</p>

Product Details

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: PLIN1

Alternative Name: [PLIN1 \(PLIN1 Products\)](#)

Background: Perilipin-1 (Lipid droplet-associated protein),FUNCTION: Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness. Plays a role in unilocular lipid droplet formation by activating CIDEC. Their interaction promotes lipid droplet enlargement and directional net neutral lipid transfer. May modulate lipolysis and triglyceride levels. {ECO:0000269|PubMed:23399566}.

Molecular Weight: 56.0 kDa

UniProt: [O60240](#)

Pathways: [Lipid Metabolism](#)

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
