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Datasheet for ABIN7550783

PNPLA4 Protein (AA 1-253) (His tag)

Overview

Quantity:	1 mg
Target:	PNPLA4
Protein Characteristics:	AA 1-253
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PNPLA4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PNPLA4 Protein expressed in mammalian cells.
Sequence:	MKHINLSFAA CGFLGIYHLG AASALCRHGK KLVKDVKAFA GASAGSLVAS VLLTAPEKIE ECNQFTYKFA EEIRRQSF GA VTPGYDFMAR LRSGMESILP PSAHELAQNR LHVSITNAKT RENHLVSTFS SREDLIKVLL ASSFVPIYAG LKLVEYKGQK WVDGGLTNAL PILPVGRTVT ISPFSGRLDI SPQDKGQLDL YVNIKQDIM LSLANLVRLN QALFPPSKRK MESLYQCGFD DTVKFLLKEN WFE 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: <ul style="list-style-type: none">• 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:	PNPLA4
Alternative Name:	PNPLA4 (PNPLA4 Products)
Background:	Patatin-like phospholipase domain-containing protein 4 (EC 3.1.1.3) (Calcium-independent phospholipase A2-eta) (iPLA2-eta) (EC 3.1.1.4) (Protein GS2),FUNCTION: Has abundant triacylglycerol lipase activity (PubMed:15364929, PubMed:16150821, PubMed:17603008). Transfers fatty acid from triglyceride to retinol, hydrolyzes retinylesters, and generates 1,3-diacylglycerol from triglycerides (PubMed:17603008). Additionally possesses acylglycerol transacylase and phospholipase A2 activities (PubMed:15364929, PubMed:17603008). {ECO:0000269 PubMed:15364929, ECO:0000269 PubMed:16150821, ECO:0000269 PubMed:17603008}.
Molecular Weight:	28.0 kDa
UniProt:	P41247

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.
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Application Details

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