

Datasheet for ABIN7550828
AGPAT4 Protein (AA 1-378) (His tag)



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Overview

Quantity:	1 mg
Target:	AGPAT4
Protein Characteristics:	AA 1-378
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGPAT4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat AGPAT4 Protein expressed in mammalian cells.
Sequence:	MDLAGLLKSQ FLCHLVFCYV FIASGLIINT IQLFTLLLWP INKQLFRKIN CRLSYCISSQ LVMLLEWWSG TECTIFTDPR AYLKYGKENA IVVLNHNKFEI DFLCGWSLSE RFGLLGGSKV LAKKELAYVP IIGWMWYFTE MVFCSRKWEQ DRKTVATSLQ HLRDYPEKYF FLIHCEGTRF TEKKHEISMQ VARAKGLPRL KHHLLPRTKG FAITVRSRLN VSAVYDCTL NFRNNENPTL LGVLNGKKYH ADLYVRR IPL EDIPEDDDEC SAWLHKLYQE KDAFQEEYYR TGTFPETPMV PPRRPWTLVN WLFWASLVLY PFFQFLVSMI RSGSSLTLAS FILVFFVASV GVRWMIGVTE IDKGSAYGNS DSKQKLND 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.

Characteristics:	Key Benefits:
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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, Western Blot

Grade: custom-made

Target Details

Target: AGPAT4

Alternative Name: AGPAT4 ([AGPAT4 Products](#))

Background: 1-acyl-sn-glycerol-3-phosphate acyltransferase delta (EC 2.3.1.51) (1-acylglycerol-3-phosphate O-acyltransferase 4) (1-AGP acyltransferase 4) (1-AGPAT 4) (Lysophosphatidic acid acyltransferase delta) (LPAAT-delta),FUNCTION: Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (By similarity). Exhibits high acyl-CoA specificity for polyunsaturated fatty acyl-CoA, especially docosahexaenoyl-CoA (22:6-CoA, DHA-CoA) (By similarity). {ECO:0000250|UniProtKB:Q8K4X7}.

Molecular Weight: 44.0 kDa

UniProt: [Q9NRZ5](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

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