

Datasheet for ABIN7559586
AGPAT4 Protein (AA 1-378) (His tag)



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Overview

Quantity:	1 mg
Target:	AGPAT4
Protein Characteristics:	AA 1-378
Origin:	Mouse
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 mammalien cells.
Sequence:	MDLIGLLKSQ FLCHLVFCYV FIASGLIVNA IQLCTLVIWP INKQLFRKIN ARLCYCVSSQ LVMLLEWWSG TECTIYTDPK ACPHYGKENA IVLNLHKFEI DFLOGWSLAE RLGILGNSKV LAKKELAYVP IIGWMWYFVE MIFCTRKWEQ DRQTVAKSLL HLRDYPEKYL FLIHCEGTRF TEKKHQISMQ VAQAKGLPSL KHHLLPRTKG FAITVKCLRD VVPAVYDCTL NFRNNENPTL LGVLNGKKYH ADCYVRRIPM EDIPEDEDKC SAWLHKLYQE KDAFQEEYYR TGVFPETPWV PPRRPWSLVN WLFWASLLLY PFFQFLVSMV SSGSSVTLAS LVLIFCMASM GVRWMIGVTE IDKGSAYGNI DNKRKQTD 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:

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
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Grade:	custom-made
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Target Details

Target:	AGPAT4
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Alternative Name:	Agpat4 (AGPAT4 Products)
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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 (PubMed:15367102). Exhibits high acyl-CoA specificity for polyunsaturated fatty acyl-CoA, especially docosahexaenoyl-CoA (22:6-CoA, DHA-CoA) (PubMed:24333445). {ECO:0000269 PubMed:15367102, ECO:0000269 PubMed:24333445}.
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Molecular Weight:	43.8 kDa
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UniProt:	Q8K4X7
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. 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
