

Datasheet for ABIN7555021

AGPAT5 Protein (AA 1-364) (His tag)



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Overview

Quantity:	1 mg
Target:	AGPAT5
Protein Characteristics:	AA 1-364
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGPAT5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat AGPAT5 Protein expressed in mammalian cells.
Sequence:	<p>MLLSVLHTY SMRYLLPSV LLGTAPTYVL AWGVWRLLSA FLPARFYQAL DDRLYCVYQS</p> <p>MVLFFFENYT GVQILLYGDL PKNKENIYL ANHQSTVDWI VADILAIRQN ALGHVRYVLK</p> <p>EGLKWLPLYG CYFAQHGGIY VKRSAKFNEK EMRNKLQSYV DAGTPMYLVI FPEGTRYNPE</p> <p>QTKVLSASQA FAAQRGLAVL KHVLTPIKA THVAFDCMKN YLDAIYDVTV VYEGKDDGGQ</p> <p>RRESPTMTEF LCKECPKIHI HIDRIDKKDV PEEQEHMRRW LHERFEIKDK MLIEFYESP</p> <p>PERRKRFPGK SVNSKLSIKK TLPSMLILSG LTAGMLMTDA GRKLYVNTWI YGTLLGCLWW TIK</p> <p>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>
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:	AGPAT5
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Alternative Name:	AGPAT5 (AGPAT5 Products)
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Background:	1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon (EC 2.3.1.51) (1-acylglycerol-3-phosphate O-acyltransferase 5) (1-AGP acyltransferase 5) (1-AGPAT 5) (Lysophosphatidic acid acyltransferase epsilon) (LPAAT-epsilon),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:21173190). Acts on LPA containing saturated or unsaturated fatty acids C15:0-C20:4 at the sn-1 position using C18:1-CoA as the acyl donor (PubMed:21173190). Also acts on lysophosphatidylethanolamine using oleoyl-CoA, but not arachidonoyl-CoA, and lysophosphatidylinositol using arachidonoyl-CoA, but not oleoyl-CoA (PubMed:21173190). Activity toward lysophosphatidylglycerol not detectable (PubMed:21173190). {ECO:0000269 PubMed:21173190}.
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Molecular Weight:	42.1 kDa
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UniProt:	Q9NUQ2
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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 guarantee though.
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Restrictions:	For Research Use only
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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