

Datasheet for ABIN7564923

Lipin 2 Protein (LPIN2) (AA 1-893) (His tag)



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Overview

Quantity:	1 mg
Target:	Lipin 2 (LPIN2)
Protein Characteristics:	AA 1-893
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Lipin 2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Lpin2 Protein expressed in mammalien cells.
Sequence:	<p>MNYVGQLAGQ VLVTVKELYK GINQATLSGC IDVWVVRQQD GSYQCSPFHV RFGKLGVLRS KEKVIDIEIN GSAVDLHMKL GDNGEAFFVE ETEEEYEKLP AYLATSPIPT EDQFFKHIET PLVKSSGNER PAQSSDVSHS LESEAVFTQS SVKKKKRRRK KCKQDNREE QAASPVAEDV GDVGVSSDDE KRAQAARGSS NASLKEEDYK EPSLFHSGDN YPLSDGDWSP LETTYPQAVC PKSDSELEVK PSELLRSEP HMEWTWGGFP ESTKVTKRER YDYHPRTATI TPSENTHFRV IPSEDSLIRE VEKDATVEDT TCTIVKPKPR ALCKQLSDAA STELPESPLE APQISSLLDA DPVPSPSAEA PSEPKPAKD SPTKKKGVHK RSQHQPDDI YLDDLKALEP EVAALYFPKS DTDPGSRQWP ESDTFSGSQS PQSVGSAAD SGTECLSDSA MDLPDVTLSL CGGLSENGEI SKEKFMEHII TYHEFAENPG LIDNPNLVIR IYNRYYNWAL AAPMILSLQV FQKSLPKATV ESWVKDKMPK KSGRWWFWRK KESMIKQLPE TKEGKSEVPP ANDLPSNAEE PTSARPAEND TSSDEGSQEL EESIKVPIT VETLSHCGTA SYKKSLRLSS DQIAKLLHD GPNDVVFSIT</p>

Product Details

TQYQGTCRCA GTIYLWNWND KVIISDIDGT ITKSDALGQI LPQLGKDWTH QGIARLYHSI
NENGYKFLYC SARAIGMADM TRGYLHWVND KGTILPRGPL MLSPSSLFSA FHREVIEWEKKP
EKFKIECLND IKNLFAPSRQ PFYAAFGRNP NDVYAYTQVG VPDCRIFTVN PKGELIQERT
KGNKSSYHRL SELVEHVFL LSKEQNSAFP CPEFSSFCYW RDPIDLDLD DLA **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:

- 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:

Lipin 2 (LPIN2)

Alternative Name:

Lpin2 ([LPIN2 Products](#))

Background:

Phosphatidate phosphatase LPIN2 (EC 3.1.3.4) (Lipin-2),FUNCTION: Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis in the reticulum endoplasmic membrane (PubMed:17158099). Plays important roles in controlling the metabolism of fatty acids at different levels. Acts also as a nuclear transcriptional coactivator for PPARGC1A to modulate

Target Details

lipid metabolism. {ECO:0000269|PubMed:17158099, ECO:0000269|PubMed:19136718, ECO:0000269|PubMed:19717560}.

Molecular Weight: 99.6 kDa

UniProt: [Q99P15](#)

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.

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