

Recombinant Human LPIN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LPIN2-2996H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LPIN2 MS Standard C13 and N15-labeled recombinant protein (NP_055461) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Mouse studies suggest that this gene functions during normal adipose tissue development and may play a role in human triglyceride metabolism. This gene represents a candidate gene for human lipodystrophy, characterized by loss of body fat, fatty liver, hypertriglyceridemia, and insulin resistance.
Molecular Mass	99.2 kDa
AA Sequence	<p>MNYVGQLAGQVIVTVKELYKGINQATLSGCIDVIVVQQQDGSYQCSPFHVRFGLGV LRSKEKVIDIEINGSAVDLHMKLGDNGEAFVVEETEEYEKLPAYLATSPIPTEDQFFK DIDTPLVKSGGDETPSQSSDISHVLETETIFTSSVKKKKRRRKKYKQDSKKEEQAAS AAAEDTCDVGVSSDDDKGAQAARGSSNASLKEEKEKPELLFHSGDHYPVLSGDGWS PLETTYPQTACPKSDSELEVKPAESLLRSESHMEWTWGGFPESTKVSKRERSDHH PRTATITPSENTFRVIPSEDNLISEVEKDASMEDTVCTIVKPKPRALGTQMSDPTSV AELLEPPLESTQISSMLDADHLPNAALAEAPSESKPAAKVDSPSKKKGVHKRSQHQ GPDDIYLLDLKLEPEVAALYFPKSESEPGSRQWPESDTLSGSQSPQSVGSAADS GTECLSDSAMDLPDVTLSLCGGLSENGEISKEKFMHIITYHEFAENPGLIDNPNLVIR</p>

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IYNRYYNWALAAPMILSLQVFQKSLPKATVESWVKDKMPKKSGRWWFWRKRESMT
 KQLPESKEGKSEAPPASDLPSSSKEPAGARPAENDSSSDEGSQELEESITVDPIPTE
 PLSHGSTTSYKKSLRLSSDQIAKLLHDGPNDVVSITTQYQGTCTRCAGTIYLWNWN
 DKIIISDIDGTITKSDALGQILPQLGKDWTHQGIKLYHSINENGYKFLYCSARAIGMAD
 MTRGYLHWVNDKGTILPRGPLMLSPSSLFSAFHREVIEKKPEKFKIECLNDIKNLFAP
 SKQPFYAAFGNRPNDVYAYTQVGVPDCRIFTVNPKGELIQERTKGNKSSYHRLSELV
 EHVFPLLSKEQNSAFPCPEFSSFCYWRDPIPEVDLDDLSTRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	LPIN2 lipin 2 [Homo sapiens (human)]
Official Symbol	LPIN2
Synonyms	LPIN2; lipin 2; phosphatidate phosphatase LPIN2; KIAA0249; lipin-2;
Gene ID	9663
mRNA Refseq	NM_014646

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Protein Refseq [NP_055461](#)

MIM [605519](#)

UniProt ID [Q92539](#)

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