

Recombinant Full Length Human LPIN1 Protein, GST-tagged

Cat. No. LPIN1-5991HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LPIN1 full-length ORF (AAH30537, 1 a.a. - 890 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	890 amino acids
Description	This gene represents a candidate gene for human lipodystrophy, characterized by loss of body fat, fatty liver, hypertriglyceridemia, and insulin resistance. Mouse studies suggest that this gene functions during normal adipose tissue development and may also play a role in human triglyceride metabolism. [provided by RefSeq
Molecular Mass	123.64 kDa
AA Sequence	MNYVGQLAGQVFVTVKGLYKGLNPATLSGCIDIIVIRQPNGNLQCSPFHVRFGKMGV LRSREKVVDIEINGESVDLHMKLGDNGEAFVQETDNDQEVIPMHLATSPILSEGAS RMECQLKRGSVDRMRGLDPSTPAQVIAPSETPSSSSSVKKRRRKRKRSQQLDSLKR DDNMNTSEDEDMFPIEMSSDEAMELLESSRTLNDIPPFQDDIPEENLSLAVIYPQSA SYPNSDREWSPSTPSPSGSRPSTPKSDSELVSKSTERTGQKNPEMLWLWGELPQAA KSSSPHKMKESSPLSSRKICDKSHFQAIHSESSDTFSDQSPTLVGGALLDQNKPQTE MQFVNEEDLETLGAAAPLLPMIEELKPPSASVVQTANKTDSRKRDRSRHLGAD GVYLDLTDMDPEVAALYFPKNGDPSGLAKHASDNGARSANQSPQSVGSSGVDSG VESTSDGLRDLPSIAISLCGGLSDHREITKDAFLEQAVSYQQFVDNPAIIDDPNLVVKI

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GSKYYNWTTAAPLLLAMQAFQKPLPKATVESIMRDKMPKKGGRWWFSWRGRNTTI
 KEESKPEQCLAGKAHSTGEQPPQLSLATRVKHESSSSDEERAAAKPSNAGHLPLLP
 NVSYKKTLRLTSEQLKTLKLNPNDDVFSVTTQYQGTCTCRCEGTIYLWNWDDKVIIS
 DIDGTITRSDTLGHILPTLGKDWTHQGIKLYHKVSQNGYKFLYCSARAIGMADMTR
 GYLHWVNERGTVLPQGPLLLSPSSLFSALHREVIEKKPEKFKVQCLTDIKNLFFPNTE
 PFYAAFGRNPADVSYKQVGVSLNRIFTVNPKGELVQEHAKTNISSYVRLCEVVDHV
 FPLLKRSHSSDFPCSDTFNFTFWREPLPPFENQDIHSASA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[LPIN1 lipin 1 \[Homo sapiens \]](#)

Official Symbol

[LPIN1](#)

Synonyms

LPIN1; lipin 1; phosphatidate phosphatase LPIN1; KIAA0188; lipin-1; PAP1;
 DKFZp781P1796;

Gene ID

[23175](#)

mRNA Refseq

[NM_145693](#)

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Protein Refseq	NP_663731
MIM	605518
UniProt ID	Q14693

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