

Recombinant Mouse Lpin1 Protein, Myc/DDK-tagged

Cat. No. Lpin1-3810M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length lipin 1 (Lpin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis and therefore controls the metabolism of fatty acids at different levels. Acts also as nuclear transcriptional coactivator for PPARGC1A/PPARA regulatory pathway to modulate lipid metabolism gene expression. Is involved in adipocyte differentiation. Isoform 1 is recruited at the mitochondrion outer membrane and is involved in mitochondrial fission by converting phosphatidic acid to diacylglycerol.
Molecular Mass	102.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Lpin1 lipin 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Lpin1](#)

Synonyms LPIN1; lipin 1; phosphatidate phosphatase LPIN1; lipin-1; fatty liver dystrophy protein; fld; Lipin1; Kiaa0188; mKIAA0188; 4631420P06

Gene ID [14245](#)

mRNA Refseq [NM_015763](#)

Protein Refseq [NP_056578](#)

UniProt ID [Q91ZP3](#)

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