

Recombinant Rat Lpin1 Protein, His-tagged

Cat. No. Lpin1-1745R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Lpin1 Protein (Thr729-Ala924) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr729-Ala924
Description	Predicted to enable several functions, including histone deacetylase binding activity; peroxisome proliferator activated receptor binding activity; and phosphatidate phosphatase activity. Involved in several processes, including negative regulation of myelination; phosphatidic acid biosynthetic process; and regulation of cellular biosynthetic process. Predicted to be located in endoplasmic reticulum and nuclear membrane. Predicted to be part of transcription regulator complex. Predicted to be active in mitochondrial outer membrane and nucleus. Biomarker of end stage renal disease. Orthologous to human LPIN1 (lipin 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.1 kDa Accurate Molecular Mass: 26 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

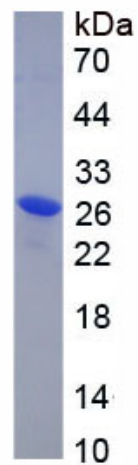
GENE INFORMATION

Gene Name	Lpin1 lipin 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Lpin1
Synonyms	LPIN1; lipin 1; phosphatidate phosphatase LPIN1;
Gene ID	313977
mRNA Refseq	NM_001012111
Protein Refseq	NP_001012111
UniProt ID	Q5XIM8

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