Recombinant Mouse Lipe Protein, His-tagged

Cat. No. Lipe-1740M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lipe Protein (Gln652-Asn759) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gln652-Asn759
Description	Enables carboxylic ester hydrolase activity; protein kinase binding activity; and serine hydrolase activity. Involved in ether lipid metabolic process and lipid catabolic process. Acts upstream of or within cellular lipid catabolic process and cellular response to cold. Located in cytosol; lipid droplet; and membrane. Is expressed in adipose tissue; ileum; and male reproductive gland or organ. Human ortholog(s) of this gene implicated in arteriosclerosis; familial partial lipodystrophy type 6; and hypertension. Orthologous to human LIPE (lipase E, hormone sensitive type).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.6 kDa Accurate Molecular Mass: 16 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

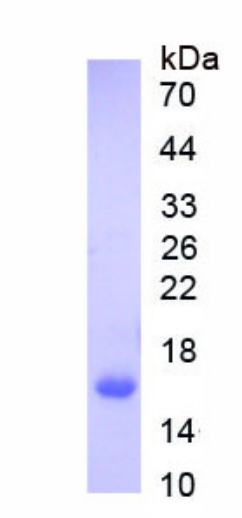
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. 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	Lipe lipase, hormone sensitive [Mus musculus (house mouse)]
Official Symbol	Lipe
Synonyms	LIPE; lipase, hormone sensitive; hormone-sensitive lipase; HSL; 4933403G17Rik;
Gene ID	16890
mRNA Refseq	NM_001039507
Protein Refseq	NP_001034596
UniProt ID	P54310

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