

Recombinant Full Length Mouse LIPE Protein, His tagged

Cat. No. LIPE-9128M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse LIPE Protein (1-759 aa) with His tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-759 aa
Description	Enables several functions, including lipase activity; retinyl-palmitate esterase activity; and serine hydrolase activity. Involved in diacylglycerol catabolic process and ether lipid metabolic process. Acts upstream of or within cellular response to cold; long-chain fatty acid catabolic process; and triglyceride catabolic process. 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).
Molecular Mass	84 kDa
AA Sequence	HHHHHHHHMDLRTMTQSLVTLAEDNMAFFSSQGPGETARRLSNVFAGVREQALGL EPTLGQLLGVAHHFDLDTETPANGYRSLVHTARCCLAHLHKSRYVASNRKSIFFRA SHNLAELEAYLAALTQLRAMAYYAQRLLTINRPGVLFFEGDEGLTADFLQEYVTLHK GCFYGRCLGFQFTPAIRPFLQTLSIGLVSFGEHYKRNETGLSVTASSLFTGGRFAIDP ELRGAEFERIIQNLDVHFWKAFWNITEIEVLSSLANMASTTVRVSRLLSLPPEAFEMP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LTSDPRLTVTISPPLAHTGPAPVLARLISYDLREGQDSKVLNSLAKSEGPRLELRPRP
 HQAPRSRALVVHIHGGGFVAQTSKSHEPYLKNWAQELGVPIFSIDYSLAPEAPFPRA
 LEECFAYCWAVKHCDLLGSTGERICLAGDSAGGNLCITVSLRAAAYGVRVPDGIMA
 AYPVTTLQSSASPSRLLSLMDPLLPLSVLSKCVSAYSGTEADHFDSDQKALGVMGL
 VQRDTSLFLRDLRLGASSWLNSFLELSGRKPQKTTSPAESVRPTESMRRSVSEAA
 LAQPEGLLGTDTLKKLTIKDLSNSEPSDSPEMSQSMETLGPSTPSDVNFFLRPGNSQ
 EEAEAKDEVPRMDGVPRVRAAFPEGFHPRRSSQGVLMPLYTSPIVKNPFMSPLLA
 PDSMLKTLPPVHLVACALDPMDDSVMFARRLRDLGQPVTCLKVVEDLPHGFLSLAAL
 CRETRQATEFCVQRIRLILTPPAAPLN

Endotoxin	< 1 EU/μg by LAL.
Purity	> 90 % by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from PBS, pH7.4, 5 % Trehalose, 5 % Mannitol
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Lipe lipase, hormone sensitive [<i>Mus musculus</i> (house mouse)]
Official Symbol	LIPE
Synonyms	LIPE; lipase, hormone sensitive; hormone-sensitive lipase; HSL; 4933403G17Rik;
Gene ID	16890

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mRNA Refseq	NM_001039507
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Protein Refseq	NP_001034596
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UniProt ID	P54310
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