

Recombinant Human LIPE Protein, His-tagged

Cat. No. LIPE-2395H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIPE Protein (Met302-Leu425) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met302-Leu425
Description	The protein encoded by this gene has a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesteryl esters to free cholesterol for steroid hormone production. The short form is expressed in adipose tissue, among others, where it hydrolyzes stored triglycerides to free fatty acids.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.3 kDa Accurate Molecular Mass: 17 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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 [Homo sapiens (human)]
Official Symbol	LIPE
Synonyms	LIPE; lipase, hormone-sensitive; hormone-sensitive lipase; HSL; hormone-sensitive lipase testicular isoform; LHS;
Gene ID	3991
mRNA Refseq	NM_005357
Protein Refseq	NP_005348
MIM	151750

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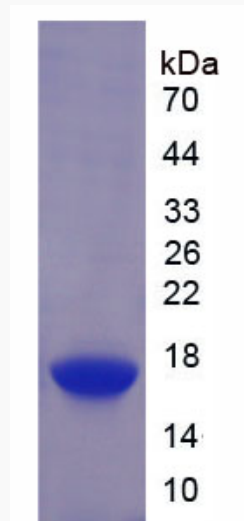
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UniProt ID

Q05469



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