

Active Recombinant Human LIPE, His-tagged

Cat. No. LIPE-8392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminal Hexahistadine-tagged protein, expressed in Sf21 insect cells using a baculovirus expression system.
Species	Human
Source	Sf21 Cells
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	A solution in 50 mM sodium phosphate, pH 7.2, containing 100 mM sodium chloride and 20% glycerol.
Bio-activity	3.3U/ml; 15nmols/min/ mg; 0.22mg/ml
Molecular Mass	118.3 kDa
Purity	≥80%
Stability	≥6 months at 80°C; avoid freeze/thaw cycles by aliquoting protein.
Storage	-80°C

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GENE INFORMATION

Gene Name	LIPE lipase, hormone-sensitive [Homo sapiens (human)]
Official Symbol	LIPE
Synonyms	LIPE; HSL; LHS; lipase, hormone-sensitive; hormone-sensitive lipase; hormone-sensitive lipase testicular isoform; NP_005348.2; EC 3.1.1.79
Gene ID	3991
mRNA Refseq	NM_005357
Protein Refseq	NP_005348
MIM	151750
UniProt ID	Q05469
Chromosome Location	19q13.2
Pathway	AMPK signaling; Hormone-sensitive lipase (HSL)-mediated triacylglycerol hydrolysis; Triacylglyceride Synthesis
Function	hormone-sensitive lipase activity; protein binding; protein kinase binding

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