Recombinant Human LIPE Protein, His-tagged

Cat. No. LIPE-017H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIPE protein (2-1076) with a N-terminal His-tag was expressed in Sf21 insect cells using a baculovirus expression system
Species	Human
Source	Insect Cells
ProteinLength	2-1076
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.
Molecular Mass	118.3 kDa
Purity	≥70% estimated by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 nmol of thioglycerol from arachidonoyl-1-thio-glycerol per minute at 37 centigrade in 10 mM Tris-HCl, pH 8.0, containing 1 mM EDTA.
Stability	≥ 6 months

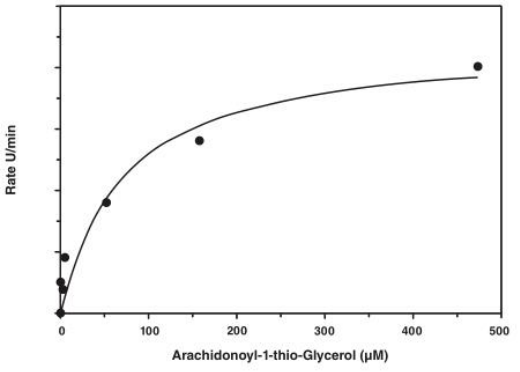
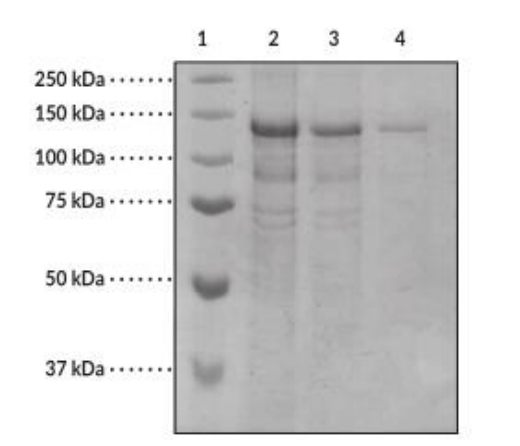
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Storage	-80 centigrade
Shipping	Dry ice in continental US, may vary elsewhere.

GENE INFORMATION

Gene Name	LIPE lipase E, hormone sensitive type [Homo sapiens (human)]
Official Symbol	LIPE
Synonyms	LIPE; lipase E, hormone sensitive type; HSL; LHS; AOMS4; FPLD6; hormone-sensitive lipase; hormone-sensitive lipase testicular isoform; lipase, hormone-sensitive; EC 3.1.1.79
Gene ID	3991
mRNA Refseq	NM_005357
Protein Refseq	NP_005348
MIM	151750
UniProt ID	Q05469

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HSL Activity	
SDS-PAGE analysis of LIPE	 Lane 1: MW Markers Lane 2: Purified HSL (5 g) Lane 3: Purified HSL (2.5 g) Lane 4: Purified HSL (1.25 g)

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