

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

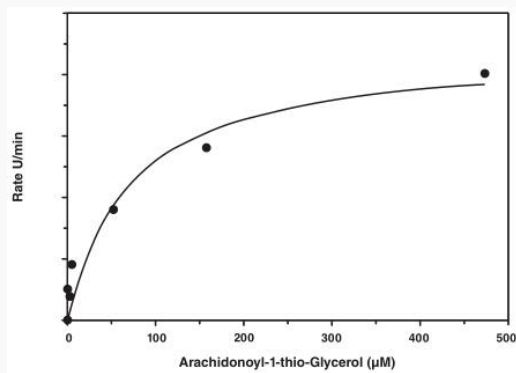
UniProt ID Q05469

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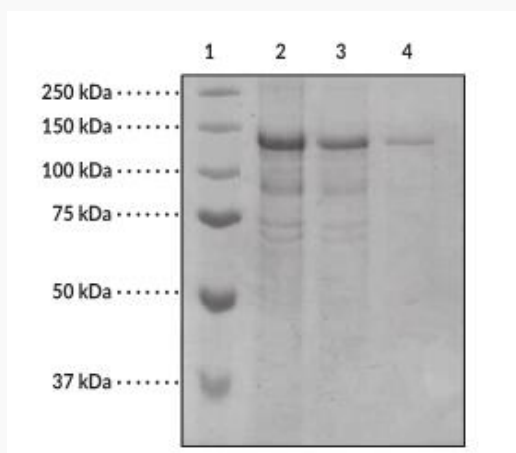
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HSL Activity



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)