Recombinant Human LIPE, His-tagged

Cat. No. LIPE-26698TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 597-1076 of Human HSL/LIPE with N terminal His tag; 480 amino acids, 59kDa.
Species	Human
Source	E.coli
ProteinLength	597-1076 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 95 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Store at 4°C. Upon reconstitution store at -80oC.
Sequences of amino	GPGPVLVRLISYDLREGQDSEELSSLIKSNGQRSLELWPR PQQAPRSRSLIVHFHG

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acids	GGFVAQTSRSHEPYLKSWAQEL GAPIISIDYSLAPEAPFPRALEECFFAYCWAIKHC ALLGS TGERICLAGDSAGGNLCFTVALRAAAYGVRVPDGIMAA YPATMLQPAASPS RLLSLMDPLLPLSVLSKCVSAYAGA KTEDHSNSDQKALGMMGLVRRDTALLLRDFR LGASSWLNS FLELSGRKSQKMSEPIAEPMRRSVSEAALAQPQGPLGT DSLKNLTL RDLSLRGNSETSSDTPEMSLSAETLSPSTP SDVNFLLPPEDAGEEAEAKNELSPMD RGLGVRAAFPEGFH PRRSSQGATQMPLYSSPIVKNPFMSPLLAPDSMLKSLP PVHI VACALDPMLDDSVMLARRLRNLGQPVTLRVVEDLPHGFLTLAALCRETRQAAELCV ERIRLVLTPPAGAGPSGE TGAAGVDGGCGGRH
Sequence Similarities	Belongs to the GDXG lipolytic enzyme family.

GENE INFORMATION

Gene Name	LIPE lipase, hormone-sensitive [Homo sapiens]
Official Symbol	LIPE
Synonyms	LIPE; lipase, hormone-sensitive; hormone-sensitive lipase; HSL;
Gene ID	3991
mRNA Refseq	NM_005357
Protein Refseq	NP_005348
MIM	151750
Uniprot ID	Q05469
Chromosome Location	19q13.1-q13.2

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Pathway	Adipogenesis, organism-specific biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Hormone-sensitive lipase (HSL)-mediated triacylglycerol hydrolysis, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem;
Function	acylglycerol lipase activity; hormone-sensitive lipase activity; protein binding; triglyceride lipase activity;

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