

Recombinant Human LIPE Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LIPE-6019H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LIPE MS Standard C13 and N15-labeled recombinant protein (NP_005348) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	116.6 kDa
AA Sequence	MEPGSKSVSRSDWQPEPHQRPITPLEPGPEKTPIAQPESKTLQGSNTQQKPASNQ RPLTQQETPAQHDAESQKEPRAQQKSASQEEFLAPQKPAPQQSPYIQRVLLTQQEA ASQQGPGLGKESITQQEPALRQRHVAQPGPGPEPPPAQQEAESTPAAQAKPGAK REPSAPTESTSQETPEQSDKQTTTPVQGAQSKQGSLELGLTKLQELSIQRSALW KALSEWVTDSESESDVGSSSDTDSPATMGGMVAQGVKLGFKGKSGYKVMMSGYSG TSPHEKTSARNHRHYQDTASRLIHNDLRTMTQSLVTLAEDNIAFFSSQGPGETAQ RLSGVFAGVREQALGLEPALGRLLGVAHLFDLDPETPANGYRSLVHTARCCLAHLH KSRVYASNRRSIFFRSHNLAELEAYLAALTQLRALVYYAQRLLVNRPGLVFFEGDE

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GLTADFLREYVTLHKGCFYGRCLGFQFTPAIRPFLQTIYIGLVSFGEHYKRNETGLSV
AASSLFTSGRFAIDPELRGAEFERITQNLDVHFWKAFWNITEMEVLSSLANMASATV
RVSRLLSLPPEAFEMPLTADPTLTVTISPPLAHTGPGPVLVRLISCDLREGQDSEELS
SLIKSNGQRSLELWPRPQQAPRSRSLIVHFHGGGFVAQTSRSEHPYLKSWAQELGA
PIISIDYSLAPEAPFPRALEECFFAYCWAIKHCALLGSTGERICLAGDSAGGNLCFTVA
LRAAAYGVRVPDGIMAAYPATMLQPAASPSRLLSLMDPLLPLSVLSKCVSAYAGAKT
EDHSNSDQKALGMMGLVRRDTALLRDFRLGASSWLNSFLELSGRKSQKMSEPIAE
PMRRSVSEAAALAPQPGPLGTDSLKNLTLRDLRLGNSETSSDTPEMSLSAETLSPS
TPSDVNFLPPEDAGEEAEAKNELSPMDRGLGVRAAFPEGFHPRRSSQGATQMPL
YSSPIVKNPFMSPLLAPDSMLKSLPPVHIVACALDPMLDDSVMLARRLRNLGQPVT
RVVEDLPHGFLTALALCRETRQAAELCVERIRLVLTTPAGAGPSGETGAAGVDGGC
GGRHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LIPE lipase E, hormone sensitive type [Homo sapiens (human)]

Official Symbol LIPE

Synonyms LIPE; lipase, hormone-sensitive; hormone-sensitive lipase; HSL; hormone-sensitive

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lipase testicular isoform; LHS;

Gene ID 3991**mRNA Refseq** NM_005357**Protein Refseq** NP_005348**MIM** 151750**UniProt ID** Q05469 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA