

Product datasheet for PH309729

Hormone sensitive lipase (LIPE) (NM_005357) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LIPE MS Standard C13 and N15-labeled recombinant protein (NP_005348)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209729
Predicted MW:	116.6 kDa
Protein Sequence:	>RC209729 protein sequence Red=Cloning site Green=Tags(s)

MEPGSKSVSRSDWQPEPHQRPITPLEPGPEKTPIAQPESKTLQGSNTQQKPASNQRPLTQQETPAQHDAE
SQKEPRAQQKSASQEEFLAPQKPAPQQSPYIQRVLLTQQEAASQQGPGLGKESITQQEPALRQRHVAQPG
PGPGEPPPAQQEAEESTPAAQAKPGAKREPSAPTESTSQETPEQSDKQTTTPVQGAQSKQGSLELGFGLTKL
QELSIQRSALWALSEWVTDSESESDVGSSTDDSPATMGGMVAQGVKLGFKGKSGYKVMGSGYSGTSPH
EKTSARNHRHYQDTASRLIHNMDLRTMTQSLVTLAEDNIAFFSSQGPGETAQRLSGVFAGVREQALGLEP
ALGRLLGVAHLFDLDPETPANGYRSLVHTARCCLAHLLHKSRYVASNRRSIFFRSHNLAELEAYLAALT
QLRALVYYAQRLVLTNRPGVLFEGDEGLTADFLREYVTLHKGCFYGRCLGFQFTPAIRPFLQTIYIGLV
SFGHEHYKRNETGLSVAASSLFTSGRFAIDPELGAEFERITQNLDVHFWKAFWNITEMEVLSSLANMASA
TVRVSRLLSLPPEAFEMPLTADPTLTVTISPPLAHTGPGPVLVRLISCDLREGQDSEELSSLIKSNQORS
LELWPRPQQAPRSRSLIVFHGGGFVAQTSRSHEPYLKSWAQELGAPIISIDYSLAPEAPFPRALEECFF
AYCWAIKHCALLGSTGERICLAGDSAGGNLCFTVALRAAAYGVRVDPGIMAAYPATMLQPAASPSRLLSL
MDPLLPLSVLSKCVSAYAGAKTEDHSNSDQKALGMMGLVRRDTALLLRDFRLGASSWLNFLSLELGRKSKQ
KMSEPIAEPMRRSVSEAAALAQPGPLGTDLSKNTLRDLRLRGNSETSSDTPMSLSAETLSPSTPSDVN
FLLPPEDAGEEAEAKNELSPMDRGLGVRAAFPEGFHPRRSSQGATQMPLYSSPIVKNPFMSPLLAPDSML
KSLPPVHIVACALDPMLDDSVMLARRLRNLGQPVTLRVVVDLPHGFLLAALCRETRQAELCVERIRLV
LTPPAGAGPSGETGAAGVDGGCGGRH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

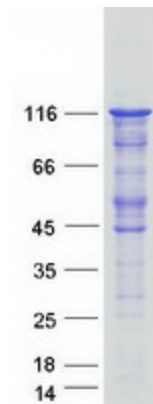
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005348
RefSeq Size:	3829
RefSeq ORF:	3228
Synonyms:	AOMS4; FPLD6; HSL; LHS; REH
Locus ID:	3991
UniProt ID:	Q05469 , A8K8W7
Cytogenetics:	19q13.2
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Pathways:	Insulin signaling pathway

Product images:



Coomassie blue staining of purified LIPE protein (Cat# [TP309729]). The protein was produced from HEK293T cells transfected with LIPE cDNA clone (Cat# [RC209729]) using MegaTran 2.0 (Cat# [TT210002]).