

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

Cat. No. LIPA-6304H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LIPA MS Standard C13 and N15-labeled recombinant protein (NP_000226) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes lipase A, the lysosomal acid lipase (also known as cholesterol ester hydrolase). This enzyme functions in the lysosome to catalyze the hydrolysis of cholesteryl esters and triglycerides. Mutations in this gene can result in Wolman disease and cholesteryl ester storage disease. Alternatively spliced transcript variants have been found for this gene.
Molecular Mass	45.4 kDa
AA Sequence	MKMRFLGLVVCLVLWPLHSEGGKLTALDPETNMNVSEIISYWGFPSSEYLVETE DGYILCLNRIPHGRKNHSDKGPKPVVFLQHGLLADSSNWVTNLANSSLGFILADAGF DVWMGNSRGNTWSRKHKTLVSQDEFWAFSYDEMAKYDLPASINFILNKTGQEQV YYVGHSQGTIGFIAFSQIPELAKRIKMFFALGPVASVAFCTSPMAKLGRLPDHLIKDL FGDKEFLPQSAFLKWLGTHVCTHVILKELCGNLCFLLCGFNERNLNMSRVDVYTTTHS PAGTSVQNMLHWSQAVKFQKFQAFDWGSSAKNYFHYNQSYPPPTYNVKDMLVPTA VWSGGHDWLADVVDVNILLTQITNLVFHESIPEWEHLDFIWGLDAPWRLYNKIINLMR KYQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

 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

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	LIPA lipase A, lysosomal acid type [Homo sapiens (human)]
Official Symbol	LIPA
Synonyms	LIPA; lipase A, lysosomal acid, cholesterol esterase; lysosomal acid lipase/cholesteryl ester hydrolase; CESD; LAL; Wolman disease; sterol esterase; cholesteryl esterase; lysosomal acid lipase; cholesterol ester hydrolase; acid cholesteryl ester hydrolase;
Gene ID	3988
mRNA Refseq	NM_000235
Protein Refseq	NP_000226
MIM	613497
UniProt ID	P38571

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SDS-PAGE

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