

Recombinant Human LIPA 293 Cell Lysate

Cat. No. LIPA-4727HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for lipase A, lysosomal acid, cholesterol esterase (LIPA), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

LIPA lipase A, lysosomal acid, cholesterol esterase [Homo sapiens]

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

**Chromosome
Location**

10q23.2-q23.3

Pathway

Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Steroid biosynthesis, organism-specific biosystem; Steroid biosynthesis, conserved biosystem;

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Function

hydrolase activity; lipase activity; lipase activity; sterol esterase activity; sterol esterase activity;

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