

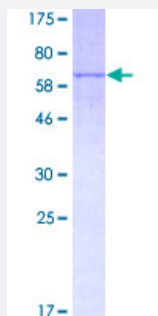
Full-Length

LIPA (Human) Recombinant Protein (P01)

Catalog # H00003988-P01

Size 2 ug

Applications



Specification

Product Description

Human LIPA full-length ORF (AAH12287, 1 a.a. - 399 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKMRFLGLVVCLVLWPLHSEGSGGKLTALDPETNMNVSEIISYWGFPSEEYLVETEDGYILCLNRI
PHGRKNHSDKGPKPVVFLQHGLLADSSNWVTNLANSGLFILADAGFDVWMGNSRGNTWSRKH
KTLVSQDEFWAFSYDEMAKYDLPASINFILNKTGQEQVYVGHSGQTTIGFIASFQIPELAKRIKMF
FALGPVASVAFCTSPMAKLGRLPDHLIKDLFGDKEFLPQSAFLKWLGTHVCTHVILKELCGNLCF
LLCGFNERNLNMSRVDVYTTSPAGTSVQNMLHWSQAVKFQKFQAFDWGSSAKNYFHYNQSY
PTYNVKDMLVPTAVWSSGGHDWLADVDVNILLTQITNLVFHESIPEWEHLDFIWGLDAPWRLYNKII
NLMRKYQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.63

Interspecies Antigen Sequence

Mouse (74); Rat (75)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LIPA

Entrez GeneID	3988
GeneBank Accession#	BC012287
Protein Accession#	AAH12287
Gene Name	LIPA
Gene Alias	CESD, LAL
Gene Description	lipase A, lysosomal acid, cholesterol esterase
Omim ID	278000
Gene Ontology	Hyperlink
Gene Summary	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 encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000020066 OTTHUMP00000020068 OTTHUMP00000059643 cholesterol ester hydrolase lipase A lysosomal acid lipase sterol esterase

Pathway

- [Lysosome](#)
- [Steroid biosynthesis](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Tobacco Use Disorder](#)