Recombinant Human LIPA Protein (22-399 aa), GST-tagged

Cat. No. LIPA-627H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIPA Protein (22-399 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	22-399 aa
Description	Crucial for the intracellular hydrolysis of cholesteryl esters and triglycerides that have been internalized via receptor-mediated endocytosis of lipoprotein particles. Important in mediating the effect of LDL (low density lipoprotein) uptake on suppression of hydroxymethylglutaryl-CoA reductase and activation of endogenous cellular cholesteryl ester formation.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	70.0 kDa
AA Sequence	SGGKLTAVDPETNMNVSEIISYWGFPSEEYLVETEDGYILCLNRIPHGRKNHSDKGP KPVVFLQHGLLADSSNWVTNLANSSLGFILADAGFDVWMGNSRGNTWSRKHKTLS VSQDEFWAFSYDEMAKYDLPASINFILNKTGQEQVYYVGHSQGTTIGFIAFSQIPELA KRIKMFFALGPVASVAFCTSPMAKLGRLPDHLIKDLFGDKEFLPQSAFLKWLGTHVC THVILKELCGNLCFLLCGFNERNLNMSRVDVYTTHSPAGTSVQNMLHWSQAVKFQK

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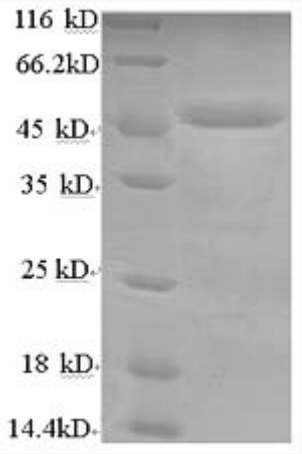
	FQAFDWGSSAKNYFHYNQSYPPTYNVKDMLVPTAVWSGGHDWLADVYDVNILLTQ ITNLVFHESIPEWEHLDFIWGLDAPWRLYNKIINLMRKYQ
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	LIPA lipase A, lysosomal acid, cholesterol esterase [Homo sapiens]
Official Symbol	LIPA
Synonyms	LIPA; CESD; LAL; Wolman disease; sterol esterase;
Gene ID	3988
mRNA Refseq	NM_000235
Protein Refseq	NP_000226
MIM	613497

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UniProt ID	P38571



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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