



Recombinant Human Lysosomal acid lipase/cholesteryl ester hydrolase (LIPA)

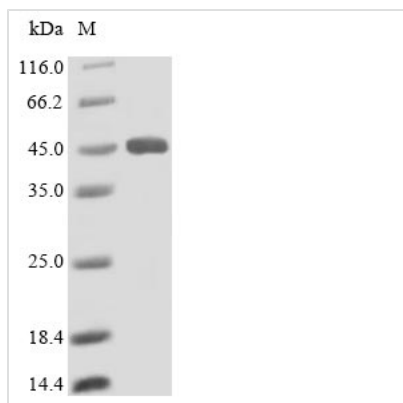
Product Code	CSB-YP012972HU
Relevance	Crucial for the intracellular hydrolysis of cholesteryl esters and triglycerides that have been internalized via receptor-mediated endocytosis of lipoprotein particles. Important in mediating the effect of LDL (low density lipoprotein) uptake on suppression of hydroxymethylglutaryl-CoA reductase and activation of endogenous cellular cholesteryl ester formation.
Abbreviation	Recombinant Human LIPA protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P38571
Alias	Cholesteryl esterase Lipase A Sterol esterase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	SGGKLTAVDPETNMNVSEIISYWGFPSSEYLVETEDGYILCLNRIPHGRKNHSD KGPKPVVFLQHGLLADSSNWVTNLANSLSLGFILADAGFDVWMGNSRGNTWS RKHKTLVSQDEFWAFSYDEMAKYDLPASINFILNKTGQEQQVYYVGHSQGTI GFIAFSQIPELAKRIKMFFALGPVASVAFCTSPMAKLGRLPDHLIKDLFGDKEFL PQSAFLKWLGHVCTHVILKELCGNLCFLLCGFNERNLNMSRVDVYTTTHSPAG TSVQNMLHWSQAVKFQKFQAFDWGSSAKNYFHYNQSYPTYNVKDMLVPTA VWSGGHDWLADVVDVNILLTQITNLVHFHESIPEWEHLDFIWGLDAPWRLYNKII NLMRKYQ
Research Area	Cardiovascular
Source	Yeast
Target Names	LIPA
Protein Names	Recommended name: Lysosomal acid lipase/cholesteryl ester hydrolase Short name= Acid cholesteryl ester hydrolase Short name= LAL EC= 3.1.1.13 Alternative name(s): Cholesteryl esterase Lipase A Sterol esterase
Expression Region	22-399aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	45.0kDa



Protein Length

Full Length of Mature Protein

Image



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.