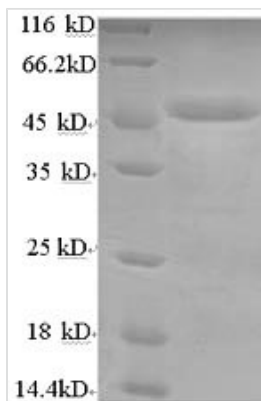




Recombinant Human Lysosomal acid lipase/cholesteryl ester hydrolase (LIPA)

Product Code	CSB-EP012972HU
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 esteraseLipase ASterol esterase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	SGGKLTAVDPETNMNVSEIISYWGFPSSEYLVETEDGYILCLNRIPHGRKNHSD KGPKPVVFLQHGLLADSSNWVTNLANSLSLGFILADAGFDVWGMNSRGNTWS RKHKTLVSQDEFWAFSYDEMAKYDLPASINFILNKTGQEQVYYVGHSQGTTI GFIAFSQIPELAKRIKMFFALGPVASVAFCTSPMAKLGRLPDHLIKDLFGDKEFL PQSAFLKWLGHVCTHVILKELCGNLCFLLCGFNERNLNMSRVDVYTTTHSPAG TSVQNMLHWSQAVKFQKFQAFDWGSSAKNYFHYNQSYPTYNVKDMLVPTA VWSGGHDWLADVVDVNILLTQITNLVVFHESIPEWEHLDFIWGLDAPWRLYNKII NLMRKYQ
Research Area	Metabolism
Source	E.coli
Target Names	LIPA
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 GST-tagged
Mol. Weight	70.0kDa
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.