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

Product Code	CSB-EP012972HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P38571
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SGGKLTAVD PETNMNVSEI ISYWGFPSEE YLVETEDGYI LCLNRIPHGR KNHSDKGPKP VVFLQHGLLA DSSNWVTNLA NSSLGFILAD AGFDVWMGNS RGNTWSRKHK TLSVSQDEFW AFSYDEMAKY DLPASINFIL NKTGQEQVYY VGHSQGTTIG FIAFSQIPEL AKRIKMFFAL GPVASVAFCT SPMAKLGRLP DHLIKDLFGD KEFLPQSAFL KWLGTHVCTH VILKELCGNL CFLLCGFNER NLNMSRVDVY TTHSPAGTSV QNMLHWSQAV KFQKFQAFDW GSSAKNYFHY NQSYPPTYNV KDMLVPTAVW SGGHDWLADV YDVNILLTQI TNLVFHESIP EWEHLDFIWG LDAPWRLYNK IINLMRKYQ
Source	E.coli
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	22-399
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
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.