



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

<b>Product Code</b>	CSB-BP012972HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P38571
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SGGKLTAVD PETNMNVSEI ISYWGFPSEE YLVETEDGYI LCLNRIPHGR KNHSDKGPKP VVFLQHGLLA DSSNWVTNLA NSSLGFILAD AGFDVWMGNS RGNTWSRKHK TLSVSQDEFW AFSYDEMAKY DLPASINFIL NKTGQEQVYY VGHSQGTIG FIAFSQIPEL AKRIKMFFAL GPVASVAFCT SPMAKLGRLP DHLIKDLFGD KEFLPQSAFL KWLGTHVCTH VILKELCGNL CFLLCGFNER NLNMSRVDVY TTHSPAGTSV QNMLHWSQAV KFQKFQAFDW GSSAKNYFHY NQSYPTYNV KDMLVPTAVW SGGHDWLADV YDVNILLTQI TNLVFHESIP EWEHLDFIWG LDAPWRLYNK IINLMRKYQ
<b>Source</b>	Baculovirus
<b>Target Names</b>	LIPA
<b>Protein Names</b>	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
<b>Expression Region</b>	22-399
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.