Recombinant Mouse Phosphatidylcholine-sterol acyltransferase (Lcat)

Product Code	CSB-EP012783MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P16301
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	FWLLNV LFPPHTTPKA ELSNHTRPVI LVPGCLGNRL EAKLDKPDVV NWMCYRKTED FFTIWLDFNL FLPLGVDCWI DNTRIVYNHS SGRVSNAPGV QIRVPGFGKT ESVEYVDDNK LAGYLHTLVQ NLVNNGYVRD ETVRAAPYDW RLAPHQQDEY YKKLAGLVEE MYAAYGKPVF LIGHSLGCLH VLHFLLRQPQ SWKDHFIDGF ISLGAPWGGS IKAMRILASG DNQGIPILSN IKLKEEQRIT TTSPWMLPAP HVWPEDHVFI STPNFNYTVQ DFERFFTDLH FEEGWHMFLQ SRDLLERLPA PGVEVYCLYG VGRPTPHTYI YDHNFPYKDP VAALYEDGDD TVATRSTELC GQWQGRQSQP VHLLPMNETD HLNMVFSNKT LEHINAILLG AYRTPKSPAA SPSPPPPE
Source	E.coli
Target Names	Lcat
Protein Names	Recommended name: Phosphatidylcholine-sterol acyltransferase EC= 2.3.1.43 Alternative name(s): Lecithin-cholesterol acyltransferase Phospholipid-cholesterol acyltransferase
Expression Region	25-438
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 the extracellular cholesterol esterifying enzyme, lecithin-cholesterol acyltransferase. The esterification of cholesterol is required for cholesterol transport. Mutations in this gene have been found to cause fish-eye disease as well as LCAT deficiency.
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.