



Recombinant Rat Phosphatidylcholine-sterol acyltransferase (Lcat)

Product Code	CSB-EP012783RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P18424
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	FWLLNV LFPHTTPKA ELSNHTRPVI LVPGCMGNRL EAKLDKPNVV NWLCYRKTED FFTIWLDNFM FLPLGVDCWI DNTRVVYNRS SGHMSNAPGV QIRVPGFGKT YSVEYLDDNK LAGYLNTLVQ NLVNNGYVRD ETVRAAPYDW RLAPRQQDEY YQKLAGLVEE MYAAYGKPVF LIGHSLGCLH VLHFLLRQPQ SWKDFIDGF ISLGAPWGGG IKPMRILASG DNQGIPIMSN IKLREEQRIT TTSPWMFPAH HVWPEDHVFI STPNFNVTGQ DFERFFADLH FEEGWHMFLQ SRDLLAGLPA PGVEVYCLYG VGMPTAHTYI YDHNFPYKDP VAALYEDGDD TVATRSTELC GQVQGRQSQG VHLLRMNGTD HLMNVFSNKT LEHINAILLG AYPHGTPKSP TASLGPPPTE
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	25-440
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.