



Recombinant Chicken Phosphatidylcholine-sterol acyltransferase (LCAT)

Product Code	CSB-EP012783CH-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P53760
Product Type	Recombinant Protein
Immunogen Species	Gallus gallus (Chicken)
Purity	>85% (SDS-PAGE)
Sequence	FWLFNVLFPPTTTPEAPP TNSTPPWCLV PGFLGNQLEA KLDKPDVVNW MCYRKTEDYF TIWLNLTFL PVGVDCWIDN TRVVYNRTAR KMTNAPGVHI RVPFGFKTYS VEYLDQSKLA GYLHTLVQNL VNNGYVRDQT VRAAPYDWRV GPQEQPEYFQ NLKALIEEMH DEYQQRVFLI GHSMGNLNLV YFLLQQKQAW KDQYIGGFIS LGAPWGGSVK PLRVLASGDN QGIPLMSNIK LREEQRMTT SPWMFPTSLA WPEDHVFIST PSYNYTYRDY QRFFTDVNLE DGWYMWEDMK DLLKGLPPPG VDTYCLYGTG YPTVETIYD EHFYEDPVD MIYGDGDDTV NKRSSSELCKR WRNQQKQKVH VQELRGIDHL NMVFSNLTLT LHQ
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	23-413
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.