



# Recombinant Chicken Phosphatidylcholine-sterol acyltransferase (LCAT)

<b>Product Code</b>	CSB-YP012783CH
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P53760
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Gallus gallus (Chicken)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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 EHPYEDPVD MIYGDGDDTV NKRSSSELCKR WRNQKQKVH VQELRGIDHL NMVFSNLTLT LHQ
<b>Source</b>	Yeast
<b>Target Names</b>	LCAT
<b>Protein Names</b>	Recommended name: Phosphatidylcholine-sterol acyltransferase EC= 2.3.1.43 Alternative name(s): Lecithin-cholesterol acyltransferase Phospholipid- cholesterol acyltransferase
<b>Expression Region</b>	23-413
<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 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.
<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.