

## 32-2494: LCAT Recombinant Protein

**Alternative Name :** Phosphatidylcholine-sterol acyltransferase, Lecithin-cholesterol acyltransferase, Phospholipid-cholesterol acyltransferase, LCAT.

### Description

Source : Escherichia Coli. LCAT Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 441 amino acids (25-440) which includes a 25 amino acid His Tag fused at N-terminus and having a total molecular mass of 49.8 kDa. LCAT Human Recombinant is purified by proprietary chromatographic techniques. LCAT is an extracellular cholesterol esterifying enzyme, lecithin-cholesterol acyltransferase. The esterification of cholesterol is required for cholesterol transport. LCAT is a essential enzyme in the extracellular metabolism of plasma lipoproteins.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** LCAT protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHH SSGLVPRGSH MGSHMFWLLN VLFPPHTTPK AELSNHTRPV ILVPGCLGNQ  
 LEAKLDKPDV VNWMCYRKTE DFFTIWLDLN MFLPLGVDCW IDNTRVVYNR SSGLVSNAPG VQIRVPGFGK  
 TYSVEYLDSS KLAGYLHTLV QNLVNNGYVR DETVRAAPYD WRLEPGQQEE YYRKLGLVE EMHAAYGKPV  
 FLIGHSLGCL HLLYFLLRQP QAWKDRFIDG FISLGAPWGG SIKPMLVLAS GDNQGIPIMS SIKLKEEQRI  
 TTTSPWMFPS RMAWPEDHVF ISTPSFNITG RDFQRFFADL HFEEGWYMWL QSRDLLAGLP  
 APGVEVYCLY GVGLPTPRTY IYDHGFPYTD PVGVLYEDGD DTVATRSTEL CGLWQGRQPQ PVHLLPLHGI  
 QHLNMVFSNL TLEHINAILL GAYRQGPPAS PTASPEPPPP E.

