

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 : MGSSHHHHHH SSGLVPRGSH MGSMMFWLLN 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.

