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LCAT Human

Catalog #:ENPS-387

For research use only.

Description:LCAT Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 441 amino acids (25-440) which includes a 20 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.

Synonyms: Phosphatidylcholine-sterol acyltransferase, Lecithin-cholesterol acyltransferase, Phospholipid-cholesterol acyltransferase, LCAT.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMFWLLN VLFPPHTTPK AELSNHTRPV ILVPGCLGNQ LEAKLDKPDV VNWMCYRKTE DFFTIWLDLN MFLPLGVDCW IDNTRVVYNR SSGLVSNAPG VQIRVPGFGK TYSVEYLDSS KLAGYLHTLV QNLVNNGYVR DETVRAAPYD WRLEPGQQEEYYRKLAGLVE EMHAAYGKPV FLIGHSLGCL HLLYFLLRQP QAWKDRFIDG FIS

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:
The LCAT 0.5mg/ml solution contains 20mM Tris-HCl buffer (pH 8.0), 0.5mM DTT, 0.4M Urea and 10% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

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