
Product Data Sheet

Product Name: LCAT Human
 Cat. No.: GP21863
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Phosphatidylcholine-sterol acyltransferase; Lecithin-cholesterol acyltransferase; Phospholipid-cholesterol acyltransferase; LCAT.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMFWLLN VLFPPHTTPK AELSNHTRPV ILVPGCLGNQ LEAKLDKPDV VNWMCYRKTE DFFTIWLDLN MFLPLGVDCW IDNTRVVYNR SGLVSNAPG VQIRVPGFGK TYSVEYLDSS KLAGYLHTLV QNLVNNGYVR DETVRAAPYD WRLEPGQEE		
Formulation	LCAT protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

LCAT is an extracellular cholesterol esterifying enzyme, lecithin-cholesterol acyltransferase. The esterification of cholesterol is required for cholesterol transport. LCAT is an essential enzyme in the extracellular metabolism of plasma lipoproteins.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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