



Lecithin-Cholesterol Acyltransferase Human Recombinant

Item Number rAP-1960

Synonyms Phosphatidylcholine-sterol acyltransferase, Lecithin-cholesterol acyltransferase, Phospholipid-cholesterol

acyltransferase, LCAT.

DescriptionLCAT 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. &n

Uniprot Accesion Number P04180

Amino Acid Sequence MGSSHHHHHH SSGLVPRGSH MGSHMFWLLN VLFPPHTTPK AELSNHTRPV ILVPGCLGNQ LEAK-

LDKPDV VNWMCYRKTE DFFTIWLDLN MFLPLGVDCW IDNTRVVYNR SSGLVSNAPG VQIRVPGFGK

TYSVEYLDSS KLAGYLHTLV QNLVNNGYVR DETVRAAPYD WRLEPGQQEE YYRKLAGLVE EMHAAYGKPV FLIGHSLGCL HLLYFLLRQP QAWKDRFIDG FISLGAPWGG

SIKPMLVLAS GDNQGIPIMS SIKLKEEQRI TTTSPWMFPS RMAWPEDHVF ISTPSFNYTG RDFQRFFADL

HFEEGWYMWL QSRDLLAGLP APGVEVYCLY GVGLPTPRTY IYDHGFPYTD

PVGVLYEDGD DTVATRSTEL CGLWQGRQPQ PVHLLPLHGI QHLNMVFSNL TLEHINAILL GAYRQGP-

PAS PTASPEPPPP E.

Source Escherichia Coli.

Physical Appearance

and Stability

Sterile filtered colorless solution. 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.

Formulation and Purity LCAT protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Greater than 85.0% as determined by SDS-PAGE.

Application

Solubility

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only