

Human LCAT Recombinant Protein



RPPB1885

Product Information Protein Information

Product SKU:

RPPB1885

Accession:

P04180

Host:

Human Embryonic
Kidney 293 cells

Protein description:

LCAT Human Recombinant produced in HEK is a single, glycosylated, polypeptide chain containing 429 amino acids (25-440) which includes a 13 amino acid Flag Tag fused at N-terminus and having a total molecular mass of 48.5 kDa. LCAT Human Recombinant is purified by proprietary chromatographic techniques.

Appearance:

Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

The LCAT protein was lyophilized from 0.4um filtered solution at a concentration of 0.5mg/ml containing 20mM Tris buffer, and 50mM NaCl, pH 7.5.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. LCAT HEK is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Stability:

Lyophilized LCAT although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution LCAT should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

HVDYKDDDDK PAGFWLLNVL FPPHTPKAE LSNHTRPVIL VPGCLGNQLE AKLDKPDVVN WMCYRKTEDF
FTIWLDLNMF LPLGVDCWID NTRVVYNRSS GLVSNAPGVQ IRVPGFGKTY SVEYLDSSKL AGYLHTLVQN
LVNNGYVRDE TVRAAPYDWR LEPGQEEYY RKLGLVEEM HAAYGKPVFL IGHSLGCLHL LYFLLRQPQA
WKDRFIDGFI SLGAPWGGSI KPMLVLASGD NQGIPIMSSI KLKEEQRITT TSPWMFPSRM AWPEDHVFIS
TPSFNYTGRD QRRFFADLHF EEGWYMWLQS RDLLAGLPAP GVEVYCLYGV GLPTPRTYIY DHGFPTYDPV
GVLYEDGDDT VATRSTELCG LWQGRQPQPV HLLPLHGIQH LNMVFSNLTLE HINAILLGA YRQPPASPT
ASPEPPPE