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32-2495: LCAT HEK Recombinant Protein

Alternative Name : Phosphatidylcholine-sterol acyltransferase,Lecithin-cholesterol acyltransferase,Phospholipid-cholesterol acyltransferase,LCAT.

Description

Source : Human Embryonic Kidney 293 cells 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. 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 :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	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.
Storage condition :	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 :	HVDYKDDDDK PAGFWLLNVL FPPHTTPKAE LSNHTRPVIL VPGCLGNQLE AKLDKPDVVN WMCYRKTEDF FTIWLDLNMF LPLGVDCWID NTRVVYNRSS GLVSNAPGVQ IRVPGFGKTY SVEYLDSSKL AGYLHTLVQN LVNNGYVRDE TVRAAPYDWR LEPGQQEEYY RKLAGLVEEM HAAYGKPVFL IGHSLGCLHL LYFLLRQPQA WKDRFIDGFI SLGAPWGGSI KPMLVLASGD NQGIPIMSSI KLKEEQRITT TSPWMFPSRM AWPEDHVFIS TPSFNYTGRD FQRFFADLHF EEGWYMWLQS RDLLAGLPAP GVEVYCLYGV GLPTPRTYIY DHGFPYTDPV GVLYEDGDDT VATRSTELCG LWQGRQPQPV HLLPLHGIQH LNMVFSNLTL EHINAILLGA YRQGPPASPT ASPEPPPPE

Application Note

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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.