

## 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

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|----------------------------|--|
| <b>Amount :</b>            | 10 µg  |
| <b>Purification :</b>      | Greater than 95.0% as determined by SDS-PAGE.  |
| <b>Content :</b>           | 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.   |
| <b>Storage condition :</b> | 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.  |
| <b>Amino Acid :</b>        | HVDYKDDDDK PAGFWLLNVL FPPHTTPKAE LSNHTRPVIL VPGCLGNQLE AKLDKPDVVN<br>WMCYRKTEDF FTIWLDLNMF LPLGVDCWID NTRVVYNRSS GLVSNAPGVQ IRVPGFGKTY<br>SVEYLDSSKL AGYLHTLVQN LVNNGYVRDE TVRAAPYDWR LEPGQQEEYY RKLGLVEEM<br>HAAYGKPVFL IGHSLGCLHL LYFLLRQPQA WKDRFIDGFI SLGAPWGGSI KPMLVLASGD<br>NQGIPIMSSI KLKEEQRITT TSPWMFPSRM AWPEDHVFIS TPSFNYTGRD QRRFFADLHF<br>EEGWYMWLQS RDLLAGLPAP GVEVYCLYGV GLPTPRTYIY DHGFPYTDPV GVLIEDGDDT<br>VATRSTELCG LWQGRQPQPV HLLPLHGIQH LNMVFSNLTL EHINAILLGA YRQGPPASPT<br>ASPEPPPE |

### 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.

