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# 32-7810: Recombinant Human Lecithin-cholesterol acyltransferase/LCAT (C-6His)

**Gene :** LCAT
**Gene ID :** 3931
**Uniprot ID :** P04180

## Description

Source: Human Cells.
MW :48.1kD.
Recombinant Human Lecithin-cholesterol acyltransferase is produced by our Mammalian expression system and the target gene encoding Phe25-Glu440 is expressed with a 6His tag at the C-terminus. Lipase family. The gene encoding this protein is expressed mainly in brain, liver and testes,followed by secreting into plasma and cerebral spinal fluid. The esterification of cholesterol is required for cholesterol transport. LCAT is a central enzyme in the extracellular metabolism of plasma lipoproteins. Defects in LCAT are the cause of lecithin-cholesterol acyltransferase deficiency (LCATD) and a cause of fish-eye disease (FED).

## Product Info

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| **Amount :** | 10 µg / 50 µg |
| **Content :** | Lyophilized from a 0.2 µm filtered solution of 50mM Acetate Buffer pH-4.0. |
| **Storage condition :** | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months. |
| **Amino Acid :** | FWLLNVLFPPHTTPKAELSNHTRPVILVPGCLGNQLEAKLDKPDVVNWMCYRKTEDFFTIWLDLNMFLPLGVDC WIDNTRVVYNRSSGLVSNAPGVQIRVPGFGKTYSVEYLDSSKLAGYLHTLVQNLVNNGYVRDETVRAAPYDWR LEPGQQEEYYRKLAGLVEEMHAAYGKPVFLIGHSLGCLHLLYFLLRQPQAWKDRFIDGFISLGAPWGGSIKPML VLASGDNQGIPIMSSIKLKEEQRITTTSPWMFPSRMAWPEDHVFISTPSFNYTGRDFQRFFADLHFEEGWYMWL QSRDLLAGLPAPGVEVYCLYGVGLPTPRTYIYDHGFPYTDPVGVLYEDGDDTVATRSTELCGLWQGRQPQPVH LLPLHGIQHLNMVFSNLTLEHINAILLGAYRQGPPASPTASPEPPPPEVDHHHHHH |

## Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
**Endotoxin :** Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

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