

# Recombinant Rat Lcat protein, His-tagged

**Cat. No.** Lcat-1677R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Lcat aa. (Glu41~His210 (Accession # P18424)) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                                                                           |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Glu41~His210                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Enzyme involved in the metabolism of plasma lipoproteins.                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 21kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

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|                          |                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>           | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage buffer</b>    | Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.                                         |
| <b>Reconstitution</b>    | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |
| <b>Isoelectric Point</b> | 6.5                                                                                                        |

## GENE INFORMATION

|                        |                                                                                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Lcat lecithin cholesterol acyltransferase [ Rattus norvegicus (Norway rat) ]</a>                                                                           |
| <b>Official Symbol</b> | <a href="#">Lcat</a>                                                                                                                                                   |
| <b>Synonyms</b>        | Lcat; lecithin cholesterol acyltransferase; phosphatidylcholine-sterol acyltransferase; Lecithin-cholesterol acyltransferase; phospholipid-cholesterol acyltransferase |
| <b>Gene ID</b>         | <a href="#">24530</a>                                                                                                                                                  |
| <b>mRNA Refseq</b>     | <a href="#">NM_017024.2</a>                                                                                                                                            |
| <b>Protein Refseq</b>  | <a href="#">NP_058720.2</a>                                                                                                                                            |
| <b>UniProt ID</b>      | <a href="#">P18424</a>                                                                                                                                                 |

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