

Datasheet for ABIN7275130  
**LCAT Protein (AA 25-440) (His tag)**

## 2 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	LCAT
Protein Characteristics:	AA 25-440
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LCAT protein is labelled with His tag.

## Product Details

Purpose:	Human LCAT Protein
Sequence:	Phe25-Glu440
Characteristics:	Recombinant Human LCAT Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe25-Glu440.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human LCAT, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-LCAT Antibody, hFc Tag with the EC50 of 21.8ng/ml determined by ELISA. See testing image for detail.

## Target Details

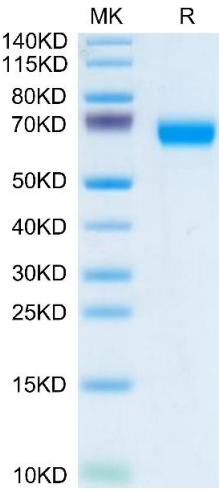
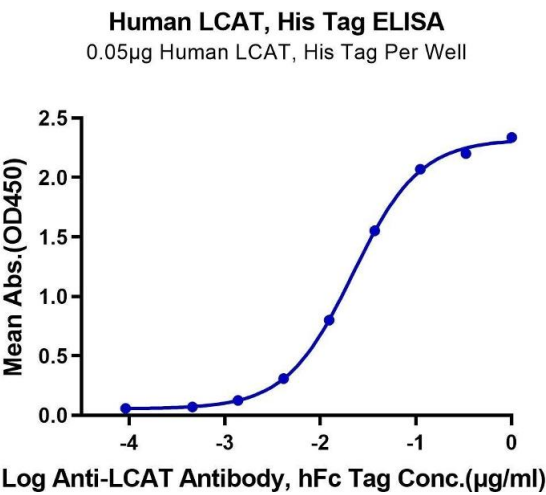
Target:	LCAT
Alternative Name:	LCAT ( <a href="#">LCAT Products</a> )
Background:	Lecithin:cholesterol acyltransferase (LCAT) is the only enzyme capable of esterifying cholesterol in plasma, thus determining the maturation of high-density lipoproteins. Because it maintains an unesterified cholesterol gradient between peripheral cells and extracellular acceptors, for a long time, LCAT has been considered as a key enzyme in reverse cholesterol transport.
Molecular Weight:	48.2 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P04180</a>
Pathways:	<a href="#">Lipid Metabolism</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



**ELISA**

**Image 1.** Immobilized Human LCAT, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-LCAT Antibody, hFc Tag with the EC50 of 21.8 ng/mL determined by ELISA.

**SDS-PAGE**

**Image 2.** Human LCAT on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .