

Datasheet for ABIN7275131
LCAT Protein (AA 25-438) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	LCAT
Protein Characteristics:	AA 25-438
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LCAT protein is labelled with His tag.

Product Details

Purpose:	Mouse LCAT Protein
Sequence:	Phe25-Glu438
Characteristics:	Recombinant Mouse LCAT Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe25-Glu438.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	LCAT
Alternative Name:	LCAT (LCAT Products)

Target Details

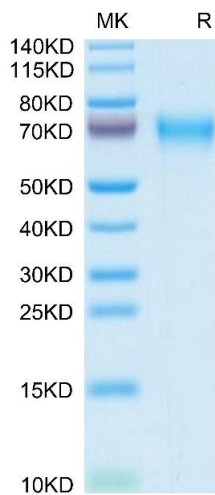
Background:	Lecithin:cholesterol acyltransferase (LCAT) is the only enzyme capable of esterifying cholesterol in plasma, thus determining the maturation of high-density lipoproteins. Because it maintains an unesterified cholesterol gradient between peripheral cells and extracellular acceptors, for a long time, LCAT has been considered as a key enzyme in reverse cholesterol transport.
Molecular Weight:	48.3 kDa. Due to glycosylation, the protein migrates to 67-75 kDa based on Tris-Bis PAGE result.
UniProt:	P16301
Pathways:	Lipid Metabolism

Application Details

Restrictions:	For Research Use only
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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



SDS-PAGE

Image 1. Mouse LCAT on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .