

Mouse LCAT Protein, Ultra Low Endotoxin



Cat. No. LAT-MM101-UL

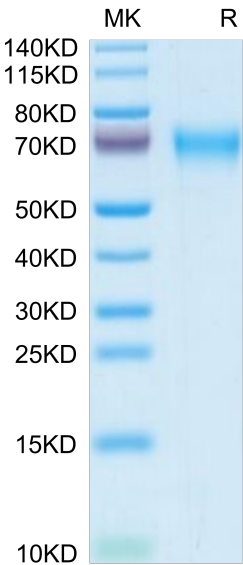
Description	
Source	Recombinant Mouse LCAT Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe25-Glu438.
Accession	P16301
Molecular Weight	The protein has a predicted MW of 48.3 kDa. Due to glycosylation, the protein migrates to 67-75 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.	

Assay Data

Bis-Tris PAGE



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