

Mouse LCAT Protein

Cat. No. LAT-MM101

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 0.1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

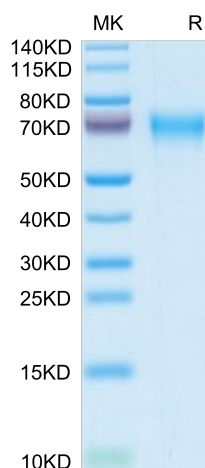
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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%.