

Catalog No.: RP03513 **Recombinant**

Species	Gene ID	Swiss Prot
Human	3931	P04180

Tags
C-His

Phosphatidylcholine-sterol
acyltransferase;1-alkyl-2-
acetylgllycerophosphocholine
esterase;LCAT

Source	Purification
HEK293 cells	≥ 95 % as determined by Bis-Tris PAGE

Calculated MW	Observed MW
48.2 kDa	65-70 kDa

< 1 EU/μg of the protein by LAL method.

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Centrifuge the tube before opening.
Reconstituting to a concentration more
than 100 µg/ml is recommended.
Dissolve the lyophilized protein in
distilled water.

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Recombinant Human LCAT Protein 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.

Recombinant Human LCAT Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe25-Glu440) of Human LCAT (Accession #NP_000220.1) fused with His tag at the C-terminus.

Recombinant Human LCAT Protein at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-LCAT Antibody, hFc Tag with the EC50 of 9.0ng/ml determined by ELISA.

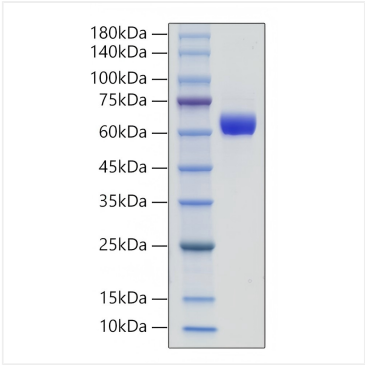
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

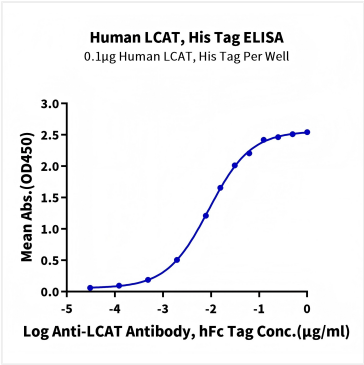
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human LCAT Protein was determined by Bis-Tris PAGE under reducing conditions with Coomassie Blue.



Recombinant Human LCAT Protein at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-LCAT Antibody, hFc Tag with the EC50 of 9.0ng/ml determined by ELISA.