

Recombinant Human LCAT Protein

Catalog No.: RP03513

Sequence Information

Species	Gene ID
Human	3931
Swiss Prot	Tags
P04180	C-His

Synonyms

Phosphatidylcholine-sterol
acyltransferase,1-alkyl-2-
acetyl-glycerophosphocholine
esterase,LCAT

Product Information

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

Calculated MW Observed MW

48.2 kDa 65-70 kDa

Endotoxin

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

Formulation

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

Reconstitution

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

Background

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.

Basic Information

Description

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.

Activity

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.

Shipping

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.

Storage

Store at -20°C

Operational Notes

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

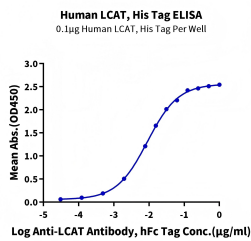
Contact

☎ | 400-999-6126

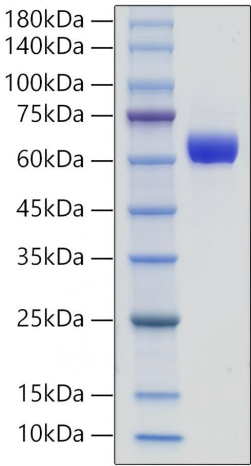
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Validation Data



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.



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