

RP00047

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Recombinant Human Apolipoprotein A-I/APOA1 Protein

Catalog No.: RP00047 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
<I>E. coli</I>	335	P02647

Tags
No tag

Synonyms
apo(a);APOA1

Product Information

Source	Purification
<I>E. coli</I>	≥ 95 % as determined by SDS-PAGE.

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

 www.abclonal.com

Background

This protein is the major protein component of high density lipoprotein (HDL) in plasma. The preproprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters.

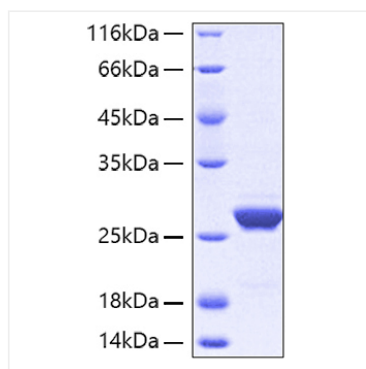
Basic Information

Description
Recombinant Human Apolipoprotein A-I/APOA1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Asp25-Gln267) of human Apolipoprotein A-I (Accession #NP_000030.1).

Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Mouse CD117 (Catalog: RP01519) at 5 μg/mL (100 μL/well) can bind Mouse SCF (Catalog: RP01055) with a linear range of 0.01-2 ng/mL.

Storage
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.

Validation Data



Recombinant Human Apolipoprotein A-I/APOA1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.