

Recombinant Human Apolipoprotein A-I/APOA1 Protein www.abclonal.com

Catalog No.: RP00047 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 335 P02647

Tags No tag

Synonyms apo(a);APOA1

Product Information

Source Purification
E. coli ≥ 95 % as
determined by 9

determined by SDS-PAGE.

Calculated MW Observed MW 28.28 kDa 25-30 kDa

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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 μ g/mL (100 μ L/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.

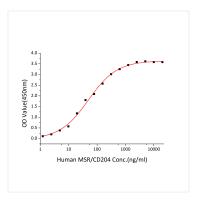
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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.



Measured by its binding ability in a functional ELISA. Immobilized Human A-I/APOA1 (Cat: RP01033) at 5μ g/mL (100 μ L/well) can bind Human MSR1/CD204 (Cat: RP00047) with a linear range of 1-49.4ng/mL.