

## Recombinant

## 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

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).

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.

Avoid repeated freeze/thaw cycles.

≥ 95 % as determined by SDS-PAGE.

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

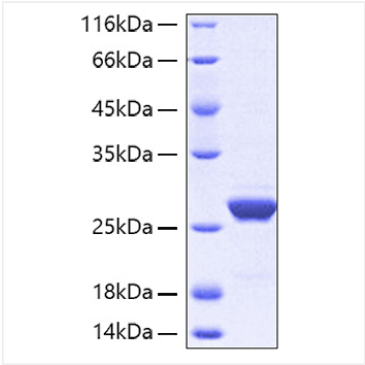
Lyophilized from a 0.22  $\mu\text{m}$  filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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.

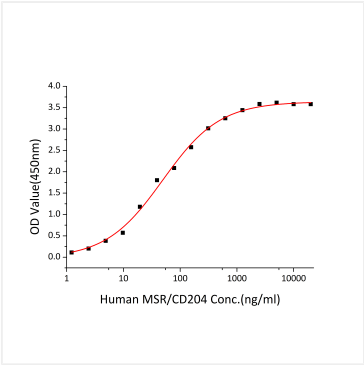
## Contact

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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 5µg/mL (100 µL/well) can bind Human MSR1/CD204 (Cat: RP00047) with a linear range of 1-49.4ng/mL.