

# Human ApoA1 (Fc Tag) recombinant protein



Catalog Number: 500798

## General Information

### Gene Name Synonym

Apolipoprotein A1; Proapolipoprotein A-I; Truncated apolipoprotein A-I; Apolipoprotein A-I(1-242)

### Protein Construction

A DNA sequence encoding the pro-form of human APOA1 (CAA26097.1) (Met 1-Gln 267) was fused with Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized Human ApoAI at 10 µg/mL (100 µl/well) can bind biotinylated human SCARB1, The EC<sub>50</sub> of biotinylated human SCARB1 is 0.37 µg/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Asp 25

### Molecular Mass

The recombinant human APOA1/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 481 amino acids migrates as approximately 55 kDa band in SDS-PAGE under reducing conditions as predicted.

### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

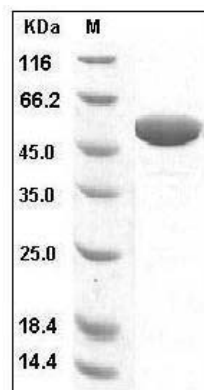
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human ApoAI Protein (Fc Tag) SDS-PAGE