# 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  $\mu$ g/mL (100  $\mu$ l/well) can bind biotinylated human SCARB1, The EC<sub>50</sub> of biotinylated human SCARB1 is 0.37  $\mu$ g/mL.

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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 disulfidelinked 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**

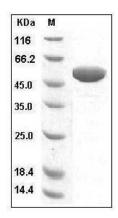
#### **Storage**

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