

# Recombinant Human APOA1 protein (His Tag)

Catalog Number: Eg0757

## Basic Information

**Species:**  
Human**Purity:**  
>90 %, SDS-PAGE**Tag:**  
His Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;1.0 EU/ µg protein, LAL method

**Source:**

HEK293-derived Human APOA1 protein Asp25-Gln267(Accession# P02647) with a His tag at the C-terminus.

**GeneID:**

335

**Accession:**

P02647

**Predicted Molecular Mass:**

32.5 kDa

**SDS-PAGE:****Formulation:**

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

ApoA1 is a major protein component of high density lipoproteins (HDL) which is associated with reversed cholesterol transport, lipid/cholesterol binding, lecithin/cholesterol acyltransferase (LCAT) activation and specific receptors binding. It is synthesized in the liver and small intestine. Defects of ApoA1 cause low HDL level and systemic non-neuropathic amyloidosis. Serum concentration of ApoA1 is inversely related to the risk of developing atherosclerosis.

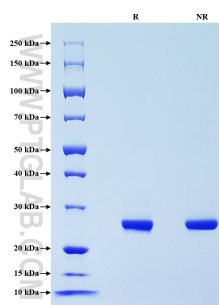
## References

1. Mangaraj, Manaswini et al. Indian journal of clinical biochemistry: IJCB vol. 31,3 (2016): 253-9.
2. Sherman, Courtney B et al. Cardiology in review vol. 18,3 (2010): 141-7.
3. Smith, Jonathan D. Current opinion in investigational drugs (London, England: 2000) vol. 11,9 (2010): 989-96.

## Synonyms

apolipoprotein A I, APOA 1, ApoA I, ApoAI, Apo-AI

## Selected Validation Data



Purity of Recombinant Human APOA1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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