

## ApoA-1, rat recombinant protein

Apolipoprotein A-I Catalog # PBV10357r

## **Specification**

# ApoA-1, rat recombinant protein - Product info

Primary Accession P04639

Calculated MW 27.4 kDa KDa

## ApoA-1, rat recombinant protein - Additional Info

Gene ID 25081
Gene Symbol Apoa-I

**Other Names** 

APOA1, MGC117399, Apoa1, Alp-1, Apoa-1, Brp-14, Ltw-1, Lvtw-1, apolipoprotein, apolipoproteins, MGC102525, Sep-1, Sep-2, Sep2, rat ApoA-1, ApoA-1, ApoA1, Apo A1, r-ApoA-1, rr-ApoA-1, recombinant rat ApoA-1, ApoA1, recombinant ApoA-1, ApoIIpoprotein A-I, ApoIIpoprotein AI, ApoIIpoprotein

Gene Source Rat
Source E. coli

Assay&Purity SDS-PAGE; ≥98% Assay2&Purity2 HPLC; ≥98%

Recombinant Yes

**Application Notes** 

Reconstitute in  $H_2O$  to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and store at 4°C for 1 week or -20°C for future use.

## **Format**

Lyophilized protein

## **Storage**

-20°C; Sterile filtered and lyophilized with no additives

# ApoA-1, rat recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## ApoA-1, rat recombinant protein - Images





## ApoA-1, rat recombinant protein - Background

ApoA-I is a 29.0 kDa protein produced in the liver and intestine, and secreted as the predominant constituent of nascent high-density lipoprotein (HDL) particle. ApoA-I, which is found exclusively in HDL, has a unique ability to capture and solubilize free cholesterol. This apoA-I ability enables HDL to remove excess peripheral cholesterol and return it to the liver for recycling and excretion. This process, called reverse cholesterol transport, is though to inhibit atherogenesis. For this reason HDL is also known as the "good cholesterol." The therapeutic potential of apoA-I has been recently assessed in patients with acute coronary syndromes, using a recombinant form of a naturally occurring variant of apoA-I (called apoA-I Milano). The availability of recombinant normal apoA-I should facilitate further investigation into the potential usefulness of apoA-I in preventing atherosclerotic Vascular diseases. Recombinant rat ApoA-I is a 27.4 kDa protein of 235 amino acid residues.