

**Human CellExp ApoA-1, human recombinant protein**  
**Apolipoprotein A-I, APOA1, MGC117399**  
**Catalog # PBV11026r****Specification**

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**Human CellExp ApoA-1, human recombinant protein - Product info**Primary Accession  
Calculated MW[P02647](#)

This protein is fused with polyhistidine tag at the C-terminus, and has a calculated MW of 29 kDa. The predicted N-terminus is Asp 25. DTT-reduced Protein migrates as 26-30 kDa in SDS-PAGE. KDa

**Human CellExp ApoA-1, human recombinant protein - Additional Info**Gene ID  
Gene Symbol  
**Other Names**  
Apolipoprotein A-I, APOA1, MGC117399**335**  
**ApoA1**Gene Source  
Source  
Assay&Purity  
Assay2&Purity2  
Recombinant  
Results

**Human**  
**HEK293 cells**  
**SDS-PAGE; ≥95%**  
**N/A;**  
**Yes**  
**Immobilized Human ApoAI at 10 µg/mL (100 µl/well) can bind biotinylated human SCARB1. The EC50 of biotinylated human SCARB1 is 10-100 ng/mL.**

**Target/Specificity**  
ApoA1**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 min. at RT with occasional gentle mixing. Do not vortex. Carrier protein (0.1% HAS or BSA) is strongly recommended for further dilution and long term storage.

**Format**  
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

**Human CellExp ApoA-1, human 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 Cytometry](#)
- [Cell Culture](#)

#### **Human CellExp ApoA-1, human recombinant protein - Images**

#### **Human CellExp ApoA-1, human recombinant protein - Background**

ApoA1 is also known as apolipoprotein A-I, ApoA-I , and is the major protein component of high density lipoprotein (HDL) in plasma. It has a specific role in lipid metabolism. Chylomicrons secreted from the intestinal enterocyte also contain ApoA1 but it is quickly transferred to HDL in the bloodstream. The protein promotes cholesterol efflux from tissues to the liver for excretion. It is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. ApoA-I was also isolated as a prostacyclin (PGI<sub>2</sub>) stabilizing factor, and thus may have an anticlotting effect. Defects in the gene encoding it are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. In addition, it has been shown that ApoA1 is implicated in the anti-endotoxin function of HDL via interaction with lipopolysaccharide or endotoxin.

#### **Human CellExp ApoA-1, human recombinant protein - References**

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