

Human APOA1 Protein

Cat. No. APO-HM201

Description

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Source | Recombinant Human APOA1 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus. It contains Asp25-Gln267. |
| Accession | P02647 |
| Molecular Weight | The protein has a predicted MW of 54.8 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 0.1 EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE |

Formulation and Storage

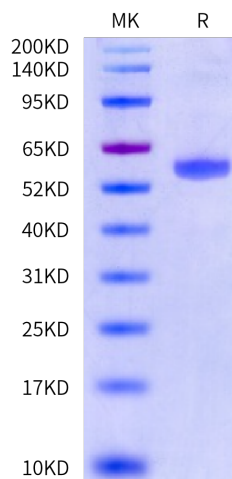
| | |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation | Supplied as 0.22 μm filtered solution in PBS (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

Apolipoprotein A1 (ApoA1) is a main protein moiety in high-density lipoprotein (HDL) particles. Generally, ApoA1 and HDL are considered as atheroprotective. In prooxidant and inflammatory microenvironment in the vicinity to the atherosclerotic lesion, ApoA1/HDL are subjected to modification. The chemical modifications such as oxidation, nitration, etc result in altering native architecture of ApoA1 toward dysfunctionality and abnormality.

Assay Data

Bis-Tris PAGE



Human APOA1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.