

# Recombinant Mouse Apolipoprotein A-II/APOA2 Protein

**Catalog No.:** RP03588 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	11807	P09813

### Tags

C-hFc

### Synonyms

Apolipoprotein A-II; Apo-AII;  
Apolipoprotein A2; ProapoA-II;  
Apolipoprotein A-II(1-76); APOA2

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by HPLC

Calculated MW	Observed MW
36.2 kDa	Due to glycosylation, the protein migrates to 40-45 kDa based on Bis-Tris PAGE result.

### Endotoxin

&lt; 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126

## Background

APOA2 is a protein implicated in triglyceride, fatty acid and glucose metabolism. In pigs, the APOA2 gene is located on pig chromosome 4 (SSC4) in a QTL region affecting fatty acid composition, fatness and growth traits.

## Basic Information

### Description

Recombinant Mouse Apolipoprotein A-II/APOA2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala19-Lys102) of Mouse Apolipoprotein A-II/APOA2 (Accession # NP\_001292478.1) fused with hFc (IgG1) tag at the C-Terminus.

### Bio-Activity

### Shipping

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

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

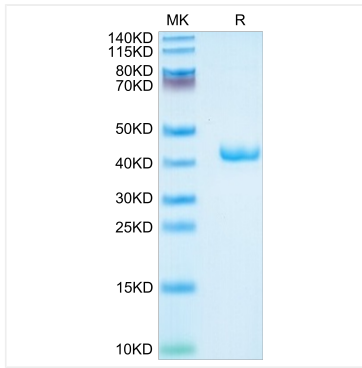
### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

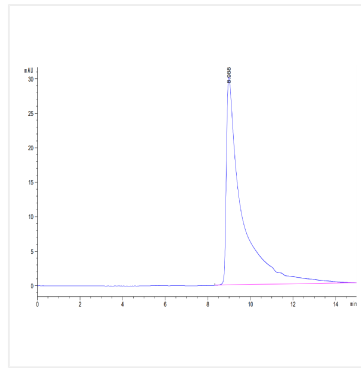


## Validation Data

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Mouse APOA2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of Mouse APOA2 is greater than 95% as determined by SEC-HPLC