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Recombinant Human Apolipoprotein A-II/APOA2 Protein

Catalog No.: RP01441 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	336	P02652

Tags
C-hFc&Avi

Synonyms
APOA2;Apo-AII;ApoA-II;apoAII; ApoA-II; apoAII

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
37.07 kDa	45-50 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Apolipoprotein A-II(Apo-AII for short), also known as Apolipoprotein A2, is a secreted protein which belongs to the apolipoprotein A2 family. It exists as a disulfide-linked homodimer; and also can form a disulfide- linked heterodimer with APOD. APOA2 is the 2nd most abundant protein of the high density lipoprotein particles. This protein may stabilize HDL (high density lipoprotein) structure by its association with lipids, and affect the HDL metabolism. Defects in APOA2 gene might cause apolipoprotein A-II deficiency or hypercholesterolemia.

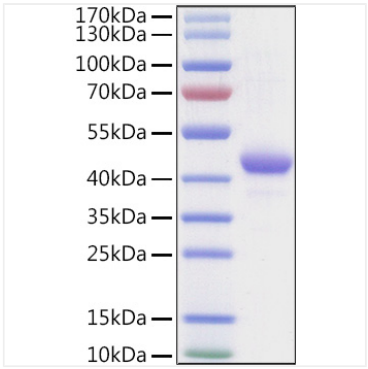
Basic Information

Description
Recombinant Human Apolipoprotein A-II/APOA2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala19-Gln100) of human Apolipoprotein A-II/APOA2 (Accession #NP_001634.1) fused with a Fc, Avi tag at the C-terminus.

Bio-Activity

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

Validation Data



Recombinant Human Apolipoprotein A-II/APOA2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.