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Datasheet for ABIN7519685

APOA2 Protein (Fc Tag,AVI tag)

Overview

Quantity:	50 µg
Target:	APOA2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOA2 protein is labelled with Fc Tag,AVI tag.

Product Details

Purpose:	Recombinant Human Apolipoprotein A-II/APOA2 Protein
Sequence:	ALVRRQAKEP CVESLVSQYF QVTVDYGKDL MEKVKSPQLQ AEAKSYFEKS KEQLTPLIKK AGTELVNFLS YFVELGTQPA TQ
Specificity:	Ala19-Gln100
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	APOA2
Alternative Name:	Apolipoprotein A-II/APOA2 (APOA2 Products)
Background:	Description: Apolipoprotein A-II(Apo-AII for short), also known as Apolipoprotein A2, is a

Target Details

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.

Name: APOA2,Apo-AII,ApoA-II,apoAII, ApoA-II, apoAII

Gene ID: 336

UniProt: [P02652](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#), [Production of Molecular Mediator of Immune Response](#), [Negative Regulation of Transporter Activity](#), [Lipid Metabolism](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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.

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

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.