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## Datasheet for ABIN7318170 **APOA2 Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	APOA2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOA2 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Apolipoprotein A2/ApoA2 Protein (His Tag)
Sequence:	Gln24-Gln100
Characteristics:	Recombinant Human Apolipoprotein A-II is produced by our Mammalian expression system and the target gene encoding Gln24-Gln100 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	APOA2
Alternative Name:	Apolipoprotein A-II ( <a href="#">APOA2 Products</a> )
Background:	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

## Target Details

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.

Synonym: Apolipoprotein A-II, Apo-AII, Apolipoprotein A2, Truncated apolipoprotein A-II, ProapoA-II, APOA2

Molecular Weight: 9.7 kDa

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

Comment: 13 kDa

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.