

Recombinant Human APOA2 protein, His-tagged

Cat. No. APOA2-357H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APOA2 protein (Ala19-Gln100), fused to His tag at C-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	82
Description	Apolipoprotein A-II(APO-A2) stabilize HDL (high density lipoprotein) structure by its association with lipids, and affect the HDL metabolism. It is produced by the liver and is involved in cholesteryl ester formation and cholesterol transport from tissues to the liver. Recent studies have established the interaction between APOA2 -256T>C polymorphism and dietary saturated fatty acids intake in relation to obesity on healthy individuals. Significant interaction between APOA2-saturated fatty acids intake and body mass index (BMI). The result of this study confirmed the interaction between APOA2 -256T>C polymorphism and SFAs intake with BMI in type 2 diabetic patients.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 11.2 kDa. The protein migrates as 11 kDa and 13 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

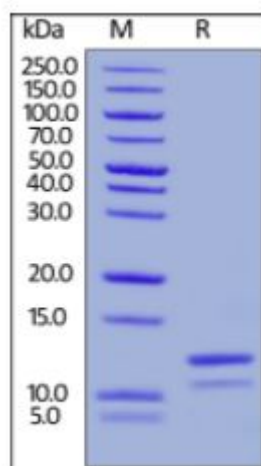
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Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	APOA2
Official Symbol	APOA2
Synonyms	APOA2; apolipoprotein A-II; apolipoprotein A2; apoAII; Apo-AII; ApoA-II
Gene ID	336
mRNA Refseq	NM_001643
Protein Refseq	NP_001634
MIM	107670
UniProt ID	P02652

**SDS-PAGE of
APOA2-357H**



Human Apolipoprotein A-II, His Tag on SDS-PAGE under reducing (R) condition.
The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

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