

## Native Human Apolipoprotein A-II

**Cat. No.** APOA2-608H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Native human APOA2 was expressed in human plasma. Its molecular weight is 17400 Dalton.
<b>Species</b>	Human
<b>Source</b>	Human Plasma
<b>Description</b>	25 percent of Apo A in HDL is APOA2. Levels of APOA2 in normal plasma range from 30-50 mg per 100ml. The physiological role of the protein is unknown. Alcohol consumption, however, increases Apo AII levels. Prepared from plasma shown to be nonreactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
<b>Form</b>	Liquid in 0.01 M Ammonium Bicarbonate, pH 7.4.
<b>Concentration</b>	10.0 mg/mL
<b>Molecular Weight</b>	17.4 kDa
<b>Purity</b>	> 95% pure by SDS-PAGE
<b>Storage</b>	When stored at -80°C, product is stable for 3 years from date of delivery. Keep at a concentration ≥ 1 mg/ml. Avoid repeated freeze-thaw cycles.
<b>Official Symbol</b>	APOA2

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## GENE INFORMATION

<b>Gene Name</b>	APOA2 apolipoprotein A-II [ Homosapiens ]
<b>Synonyms</b>	APOA2;apolipoprotein A-II; apoAII; Apo-AII; ApoA-II; Hdl-1; Alp-2; APOA-2; ApoAII;APOAII; APOA2; apolipoprotein A2; OTTHUMP00000032244; Apolipoprotein A-II;Apolipoprotein A2
<b>Gene ID</b>	336
<b>mRNA Refseq</b>	NM_001643
<b>Protein Refseq</b>	NP_001634
<b>MIM</b>	107670
<b>UniProt ID</b>	P02652
<b>Chromosome Location</b>	1q21-q23
<b>Pathway</b>	Chylomicron-mediatedlipid transport; Fatty acid, triacylglycerol, and ketone body metabolism;Lipid digestion, mobilization, and transport; Lipoprotein metabolism;Metabolism of lipids and lipoproteins; PPAR signaling pathway; PPAR signalingpathway; Regulation of Lipid Metabolism by Peroxisome proliferator-activatedreceptor alpha (PPARalpha); Statin Pathway
<b>Function</b>	cholesterol binding;contributes to cholesterol transporter activity; high-density lipoproteinparticle binding; high-density lipoprotein particle receptor binding; lipaseinhibitor activity; lipid binding; lipid transporter activity;phosphatidylcholine binding; phosphatidylcholine-sterol O-acyltransferaseactivator activity; phospholipid

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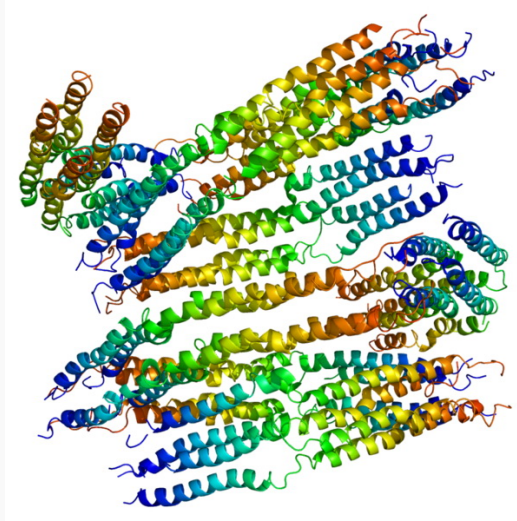
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binding; protein binding; proteinheterodimerization activity; protein homodimerization activity

Rendering of 1L6L.



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