Native Human Apolipoprotein A-II

Cat. No. APOA2-5302H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human APOA2was expressed in human plasma.Itsmolecular weight is 17380 Dalton.
Species	Human
Source	Human Plasma
Description	Human APOA2 is one of a family of evolutionarilyrelated proteins which play a crucial role in lipid transport and metabolism.The serum levels of Human APOA2 have been shown to be inversely correlated tothe incidence of coronary heart disease and its expression to be limited tothe liver and intestine. APOA2 is the second most abundant protein of thehigh density lipoprotein particles. The protein is found in plasma as amonomer, homodimer, or heterodimer with apolipoprotein D. Defects in thisgene may result in APOA2 deficiency or hypercholesterolemia.
Form	Liquid in 75 mM PBSpH 7.2 + 75 mM NaCl.
Concentration	Typically 1 mg/mL
MolecularWeight	17.38 kDa
Purity	> 99% bySDS-PAGE
Storage	Store at -20°C.

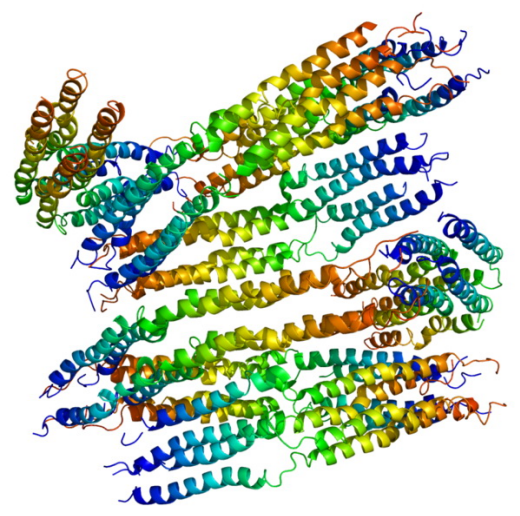
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OfficialSymbol	APOA2

GENE INFORMATION

Gene Name	APOA2 apolipoprotein A-II [Homosapiens]
Synonyms	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
Gene ID	336
mRNA Refseq	NM_001643
Protein Refseq	NP_001634
MIM	107670
UniProt ID	P02652
Chromosome Location	1q21-q23
Pathway	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
Function	cholesterol binding;contributes to cholesterol transporter activity; high-density lipoproteinparticle binding; high-density lipoprotein particle receptor binding;

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	lipaseinhibitor activity; lipid binding; lipid transporter activity;phosphatidylcholine binding; phosphatidylcholine-sterol O-acyltransferaseactivator activity; phospholipid binding; protein binding; proteinheterodimerization activity; protein homodimerization activity
Rendering of 1L6L.	

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