

Native Human Apolipoprotein A-II

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

SPECIFICATION

Product Overview	Native human APOA2 was expressed in human plasma. Its molecular weight is 17380 Dalton.
Species	Human
Source	Human Plasma
Description	Human APOA2 is one of a family of evolutionarily related proteins which play a crucial role in lipid transport and metabolism. The serum levels of Human APOA2 have been shown to be inversely correlated to the incidence of coronary heart disease and its expression to be limited to the liver and intestine. APOA2 is the second most abundant protein of the high density lipoprotein particles. The protein is found in plasma as a monomer, homodimer, or heterodimer with apolipoprotein D. Defects in this gene may result in APOA2 deficiency or hypercholesterolemia.
Form	Liquid in 75 mM PBS pH 7.2 + 75 mM NaCl.
Concentration	Typically 1 mg/mL
Molecular Weight	17.38 kDa
Purity	> 99% by SDS-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.

