

Native Human ApoA-II

Cat. No. ApoA-II-3555H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human Plasma
Description	This gene encodes apolipoprotein (apo-) A-II, which 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 apolipoprotein A-II deficiency or hypercholesterolemia.
Form	Supplied as frozen liquid in 10mM NH ₄ HC03 buffer, pH 7.4. Keep antigen concentration >1 mg/ml
Molecular Mass	17.4 kDa
Purity	>95% pure by SDS PAGE
Notes	Small volumes of ApoA-II native protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Aliquot and store at -70 deg C. Avoid repeated freeze/thaw cycles

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Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name APOA2 apolipoprotein A-II [Homo sapiens]

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

UniProt ID P02652

Chromosome Location 1q21-q23

Pathway

Chylomicron-mediated lipid transport, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem;

Function

apolipoprotein receptor binding; cholesterol binding; contributes_to cholesterol transporter activity; high-density lipoprotein particle binding; high-density lipoprotein

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particle receptor binding; lipase inhibitor activity; lipid binding; lipid transporter activity; phosphatidylcholine binding; phosphatidylcholine-sterol O-acyltransferase activator activity; phospholipid binding; protein binding; protein heterodimerization activity; protein homodimerization activity;

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