

Native Human ApoC-II

Cat. No. ApoC-II-3558H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human Plasma
Description	This gene encodes a lipid-binding protein belonging to the apolipoprotein gene family. The protein is secreted in plasma where it is a component of very low density lipoprotein. This protein activates the enzyme lipoprotein lipase, which hydrolyzes triglycerides and thus provides free fatty acids for cells. Mutations in this gene cause hyperlipoproteinemia type IB, characterized by hypertriglyceridemia, xanthomas, and increased risk of pancreatitis and early atherosclerosis. This gene is present in a cluster with other related apolipoprotein genes on chromosome 19. Naturally occurring read-through transcription exists between this gene and the neighboring upstream apolipoprotein C-IV (APOC4) gene.
Form	Lyophilized from 10mM NH ₄ HCO ₃ , pH 7.4. Reconstitute with distilled water.
Molecular Mass	8.8 kDa
Purity	>95% pure by SDS PAGE
Notes	Small volumes of ApoC-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

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products may require to ship with dry ice.

Storage

Aliquot and store at -20 deg C. Avoid repeated freeze/thaw cycles.

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

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pathway, organism-specific biosystem;

Function

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