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 NH4HCO3, 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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