

Native Human Apolipoprotein CII

Cat. No. APOC2-4904H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Apolipoprotein CII was purified from Human Plasma.
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 10 mM NH ₄ HCO ₃ , pH 7.4
Molecular Mass	8800
Purity	>=95% by SDS-PAGE
Quality Control Test	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

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Stability	> 1 Year
Storage	-20°C
GENE INFORMATION	
Gene Name	APOC2 apolipoprotein C-II [Homo sapiens (human)]
Official Symbol	APOC2
Synonyms	APOC2;apolipoprotein C-II; APO-CII; APOC-II; MGC75082; apolipoprotein C2; apoC-II; Apolipoprotein C2; APC2; Apo-CII; apo-CII; ApoC-II
Gene ID	344
mRNA Refseq	NM_000483
Protein Refseq	NP_000474
MIM	608083
UniProt ID	P02655
Chromosome Location	19q13.2
Pathway	Chylomicron-mediated lipid transport; HDL-mediated lipid transport; Lipid digestion; Lipoprotein metabolism; Metabolism of lipids and lipoproteins; Statin Pathway
Function	enzyme activator activity; lipase inhibitor activity; lipid binding; lipoprotein lipase activator activity; phospholipase activator activity; phospholipase binding; protein homodimerization activity

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