Native Human ApoLipoprotein CIII

Cat. No. APOC3-8040H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Apo-CIII is purified from delipidated VLDL(very low density lipoprotein). Impurities removed by affinity chromotography.
Species	Human
Source	Human Plasma
Description	Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and A-IV genes are transcribed from the same strand, while the A-1 and C-III genes are convergently transcribed. An increase in apoC-III levels induces the development of hypertriglyceridemia.
Form	75 mM PBS, 0.5 mM EDTA, pH 7.2
Molecular Mass	8.75 kDa
Purity	>99% by SDS-PAGE
Storage	-20 °C Avoid repeat freezing and thawing

GENE INFORMATION

Gene Name	APOC3 apolipoprotein C-III [Homo sapiens]

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Official Symbol	APOC3
Synonyms	APOC3; apolipoprotein C-III; apo-CIII; apoC-III; apolipoprotein C3; HALP2; APOCIII; MGC150353;
Gene ID	345
mRNA Refseq	NM_000040
Protein Refseq	NP_000031
MIM	107720
UniProt ID	P02656
Chromosome Location	11q23-qter
Pathway	Chylomicron-mediated lipid transport, organism-specific biosystem; HDL-mediated lipid transport, 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	cholesterol binding; enzyme regulator activity; high-density lipoprotein particle receptor binding; lipase inhibitor activity; phospholipid binding;

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