

Native Human Apolipoprotein C-III

Cat. No. APOC3-361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human APOC3 expressed by Human Plasma is a 8.76 kDa protein.
Species	Human
Source	Human Plasma
Description	APOC3 inhibits the activation of lipoprotein lipase by Apo CII. Reduced levels of APOC3 result in higher fatty acid uptake from plasma triglycerides into adipose tissue. Thus, APOC3 is a potential target for treatment of obesity and insulin resistance. The normal plasma concentration of APOC3 is 8-15 mg per 100 ml. Prepared from fresh, non-frozen plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests. >95 percent pure by SDS-PAGE.
Form	Liquid in 0.01M Ammonium Bicarbonate; pH 7.4.
Molecular Weight	8.76 kDa
Concentration	1.0 mg/ml
Purity	>95 percent pure by SDS-PAGE
Storage	When stored at -80°C product is stable for 3 years from date of delivery. Avoid repeated freeze-thaw cycles.
Official Symbol	APOC3

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GENE INFORMATION

Gene Name	APOC3 apolipoprotein C-III [Homosapiens]
Synonyms	APOC3; apolipoproteinC-III; HALP2; APOCIII; MGC150353; apolipoproteinC-III; apo-CIII; apoC-III; apolipoprotein C3; OTTHUMP00000043270;OTTHUMP00000069353
Gene ID	345
mRNA Refseq	NM_000040
Protein Refseq	NP_000031
MIM	107720
UniProt ID	P02656
Chromosome Location	11q23.1-q23.2
Pathway	Chylomicron-mediatedlipid transport; HDL-mediated lipid transport; Lipid digestion; Lipoproteinmetabolism; Metabolism of lipids and lipoproteins; PPAR signaling pathway;Statin Pathway
Function	cholesterol binding;enzyme regulator activity; high-density lipoprotein particle receptorbinding; lipase inhibitor activity; phospholipid binding

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