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BA057 Human Apolipoprotein C III (Apo CIII)

Alternate names: Apo-CIII, ApoC-III, Apolipoprotein C-III, Apolipoprotein C3

Quantity: 0.1 mg

Concentration: 1.67 mg/ml (prior to lyophilization)

Background: At least 9 distinct polymorphic forms of apolipoproteins are known. The apolipoproteins act as stabilizers of the intact lipoprotein particles. Quantitative measurements of HDL, LDL and VLDL particles in human serum are often used to estimate an individuals' relative risk of coronary heart disease. In addition, quantitative immunological measurements of certain apolipoproteins (especially A1 and B) have been suggested to be more accurate estimators of coronary heart disease than measurements of lipoprotein particles (especially HDL and LDL). Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. It inhibits lipoprotein lipase and hepatic lipase and it is thought to delay catabolism of triglyceride-rich particles. An increase in apoC-III levels induces the development of hypertriglyceridemia.

Uniprot ID: P02656

NCBI: NP_000031.1

GeneID: 345

Species: Human

Source: Plasma, (Human), Very Low Density Lipoprotein (VLDL).

Format: **State:** Lyophilized purified protein.
Purity: >95% pure by SDS-PAGE.
Buffer System: 10mM Ammonium bicarbonate, pH 7.4
Reconstitution: Reconstitute with 59.9 µl distilled water.

Applications: Specific applications have not been tested with this product.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Storage: Store prior to and following reconstitution at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Caution: All human source materials have been tested non-reactive for HBsAg, anti-HCV, anti-HBc and negative for anti-HIV1 and HIV2 by FDA required tests. Nevertheless, all human materials should be considered as potentially infectious.