

APOE

Native Human Apolipoprotein E/Very Low Density Lipoprotein

Catalog No.	CSI19787A	Quantity:	50 µg
	CSI19787B		100 µg

Alternate Names: AD2, LDLCQ5, LPG, MGC1571

Description: Chylomicron remnants and Very Low Density Lipoprotein (VLDL) remnants are rapidly removed from the circulation by receptor-mediated endocytosis in the liver. Apolipoprotein E (APOE), a main apoprotein of the chylomicron, binds to a specific receptor on liver cells and peripheral cells. APOE serves as a ligand for low density receptors and participates in the transport and redistribution of cholesterol and other lipids. Other functions include immunoregulation and cell growth modulation and differentiation. APOE is thought to be involved in tissue repair as increased amounts of the protein are found at sites of peripheral nerve injury and regeneration. APOE is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. Defects in APOE result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. The concentration of APOE in normal plasma is 5 mg per 100 mL.

Gene ID: 348

Concentration: 1.0 mg/mL

Source: Human Plasma

Molecular Weight: 34 kDa

Formulation: Frozen in 50 mM NH₄HCO₃, pH 8.0

Purity: >95% by SDS-PAGE

Storage & Stability: Store at -70°C. 3 years from delivery.

Certification: 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.

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