

Native Human Apolipoprotein E

Cat. No. APOE-5336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human APOE was expressed in Human Plasma.
Species	Human
Source	Human Plasma
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.
Form	Frozen Liquid in 50mM NH ₄ HCO ₃ , pH 8.0.
Molecular Weight	34 kDa
Purity	> 95% by SDS-PAGE
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80oC.
Pathways	Alzheimer"s disease; Chylomicron-mediatedlipid transport; HDL-mediated lipid transport; Lipid digestion; Lipoproteinmetabolism; Metabolism of lipids and lipoproteins; Statin Pathway
GENE INFORMATION	
Gene Name	APOE apolipoprotein E [Homosapiens]
Official Symbol	APOE
Synonyms	APOE; apolipoproteinE; AD2;LPG; LDLCQ5; MGC1571; apolipoprotein E; apo-E; apolipoprotein E3;OTTHUMP00000159143; OTTHUMP00000197075; OTTHUMP00000197076;OTTHUMP00000197077
Gene ID	348
mRNA Refseq	NM_000041
Protein Refseq	NP_000032
MIM	107741
UniProt ID	P02649
Chromosome Location	19q13.31
Function	antioxidantactivity; beta-amyloid binding; cholesterol transporter activity; heparin binding;identical protein binding; lipid binding; lipid transporter activity;lipoprotein

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

particle binding; low-density lipoprotein particle receptor binding; metal chelating activity; phosphatidylcholine-sterol O-acyltransferase activator activity; phospholipid binding; protein binding; protein heterodimerization activity; tau protein binding; very-low-density lipoprotein particle receptor binding

PDB rendering based on 1b68.

