

APOLIPOPROTEIN E

ApoE is a 34 kDa protein component of serum chylomicrons, VLDL, and HDL particles.

Human ApoE is a 34 kDa glycoprotein that consists of an N-terminal domain composed of four bundled alpha -helices, plus a hinge region and an extended alpha -helical C-terminal domain . Its amphipathic nature and flexible structure enables it to adopt dramatically different conformations upon lipid association

It mediates the binding, uptake, and catabolism of these particles through interactions with the ApoE receptor and LDL receptors in the liver and brain. ApoE is important in fatty acid homeostasis and memory formation. Polymorphisms encode three variants (ApoE2, 3, 4) which are differentially related to the development of atherosclerosis and neurogenerative disorders, particularly Alzheimer's disease.

Description	Abbr.	Cat No.	Remarks
Recombinant human Apolipoprotein E	ApoE	SDZ900270	Control