Recombinant Human ApoE2

Cat. No. ApoE2-3561H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ApoE2
Species	Human
Source	E.coli
ProteinLength	317
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, a main apoprotein of the chylomicron, binds to a specific receptor on liver cells and peripheral cells. ApoE is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. The APOE gene is mapped to chromosome 19 in a cluster with APOC1 and APOC2. Defects in apolipoprotein E 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.
Form	Lyophilized
Molecular Mass	36,154 Da
Purity	>90% by SDS-PAGE & HPLC analyses
Notes	Small volumes of ApoE2 recombinant protein may occasionally become entrapped in

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	the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	ApoE2
Official Symbol	ApoE2
Synonyms	APOE; APOE; AD2; LPG; LDLCQ5; Apo-E;
Gene ID	348
mRNA Refseq	NM_000041.2
Protein Refseq	NP_000032.1
MIM	104310
UniProt ID	P02649
Chromosome Location	Chromosome: 19; NC_000019.10 (44905782..44909393). Location: 19q13.2
Function	?ApoE is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. The APOE gene is mapped to chromosome 19 in a cluster with APOC1 and APOC2. Defects in apolipoprotein E result in familial dysbetalipoproteinemia, or

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