

Recombinant Human ApoE4 Protein

Cat. No. APOE-07H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human ApoE4 Protein (1-199, Truncated ApoE, methionine in -1 position) without tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-199 |
| Description | The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene 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 | 22.9 kDa |
| AA Sequence | MKVEQAVETEPEPELRQQTEWQSGQRWELALGRFWDYLRWVQTLSEQVQEELLS SQVTQELRALMDETMKELKAYKSELEEQLTPVAEETRARLSKELQAAQARLGADME DVRGRLVQYRGEVQAMLGQSTEELRVRLASHLRKLRKLLRDADDLQKRLAVYQA GAREGAERGLSAIRERLGPLVEQGRVRAATVGSLSA |

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Purity 95% by Chromatography and SDS-PAGE

Storage Store at -20 centigrade upon arrival.

Dilutions ApoE is soluble in PBS.

GENE INFORMATION

Gene Name APOE apolipoprotein E [Homo sapiens (human)]

Official Symbol APOE

Synonyms APOE; apolipoprotein E; AD2; LPG; APO-E; ApoE4; LDLCQ5; apolipoprotein E; apolipoprotein E3

Gene ID 348

mRNA Refseq NM_000041

Protein Refseq NP_000032

MIM 107741

UniProt ID P02649

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