

Recombinant Human ApoE4 Protein

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

SPECIFICATION

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
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Storage	Store at -20 centigrade upon arrival.
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Dilutions	ApoE is soluble in PBS.
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GENE INFORMATION

Gene Name	APOE apolipoprotein E [Homo sapiens (human)]
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Official Symbol	APOE
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Synonyms	APOE; apolipoprotein E; AD2; LPG; APO-E; ApoE4; LDLQC5; apolipoprotein E; apolipoprotein E3
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Gene ID	348
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mRNA Refseq	NM_000041
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Protein Refseq	NP_000032
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MIM	107741
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UniProt ID	P02649
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