

Recombinant Human ApoE4 Protein

Cat. No. APOE-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ApoE4 Protein (1-299, Arg-61-Thr) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-299
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	34 kDa
AA Sequence	MKVEQAVETEPEPELRQQTEWQSGQRWELALGRFWDYLRWVQTLSEQVQEELLS SQVTQELTALMDETMKELKAYKSELEEQLTPVAEETRARLSKELQAAQARLGADME DVRGRLVQYRGEVQAMLGQSTEELRVRLASHLRKLRKLLRDADDLQKRLAVYQA GAREGAERGLSAIRERLGPLVEQGRVRAATVGSLAGQPLQERAQAWGERLRARME

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EMGSRTDRDLDEVKEQVAEVRAKLEEQAQQIRLQAEAFQARLKSWFEPLVEDMQR
QWAGLVEKVVQAAVGTSAAPVPSDNH

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; LDLQC5; apolipoprotein E; apolipoprotein E3

Gene ID [348](#)

mRNA Refseq [NM_000041](#)

Protein Refseq [NP_000032](#)

MIM [107741](#)

UniProt ID [P02649](#)

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