

Recombinant Human APOE Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. APOE-087H Lot. No. (See product label)

SPECIFICATION

Product Overview

APOE MS Standard C13 and N15-labeled recombinant protein (NP_000032) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

36.2 kDa

AA Sequence

MKVLWAALLVTFLAGCQAKVEQAVETEPEPELRRQQTEWQSGQRWELALGRFWDY
LRWVQTLSEQVQEELLSSQVTQELRALMDETMKELKAYKSELEEQLTPVAEETRAR
LSKELQAAQARLGADMEDVCGRLVQYRGEVQAMLGQSTEELRVRLASHLRKLRKR
LLRDADDLQKRLAVYQAGAREGAERGLSAIRERLGPLVEQGRVRAATVGLAGQPL
QERAQAWGERLRARMEEMGSRTRDRLDEVKEQVAEVRAKLEEQAAQQIRLQAEAF
QARLKSWFEPLVEDMQRQWAGLVEKVQAAVGTSAAPVPSDNHTRTRPLEQKLISE

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EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol [APOE](#)

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

Gene ID [348](#)

mRNA Refseq [NM_000041](#)

Protein Refseq [NP_000032](#)

MIM [107741](#)

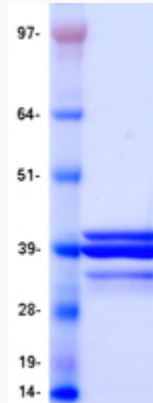
UniProt ID [P02649](#)

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SDS-PAGE



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