

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	MKVLWAALLVTFLAGCQAKVEQAVETEPEPELRQQTEWQSGQRWELALGRFWDY LRWVQTLSEQVQEELLSSQVTQELRALMDETMKELKAYKSELEEQLTPVAEETRAR LSKELQAAQARLGADMEDVCGRLVQYRGEVQAMLGQSTEELRVRLASHLRKLRKR LLRDADDLQKRLAVYQAGAREGAERGLSAIRERLGPLVEQGRVRAATVGSLAQPL QERAQAWGERLRARMEEMGSRTRDRLDEVKEQVAEVRAKLEEQAQQIRLQAEAF QARLKSWFEPLVEDMQRQWAGLVEKVQAAVGTSAPVPSDNHTRTRPLEQKLISE

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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.

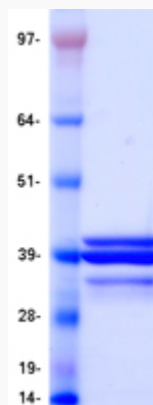
GENE INFORMATION

Gene Name	APOE apolipoprotein E [Homo sapiens (human)]
Official Symbol	APOE
Synonyms	APOE; apolipoprotein E; AD2; APO-E; ApoE4; LDLQC5; 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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