

Active Recombinant Human APOE Protein, Myc/DDK-tagged

Cat. No. APOE-088H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human apolipoprotein E (APOE) with a C-Myc/DDK tag was expressed in HEK293T.
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.
Bio-activity	Binding assay
Molecular Mass	34.2 kDa
AA Sequence	MKVLWAALLVTFLAGCQAKVEQAVETEPEPELRQQTEWQSGQRWELALGRFWDY LRWVQTLSEQVQEELLSSQVTQELRALMDETMKELKAYKSELEEQLTPVAEETRAR LSKELQAAQARLGADMEDVCGRLVQYRGEVQAMLGQSTEELRVRLASHLRKLRKR LLRDADDLQKRLAVYQAGAREGAERGLSAIRERLGPLVEQGRVRAATVGSAGQPL QERAQAWGERLRARMEEMGSRTDRDLDEVKEQVAEVRACLEEQAAQQIRLQAEAF QARLKSWFEPLVEDMQRQWAGLVEKVQAAVGTSAAPVPSDNH

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name	APOE apolipoprotein E [Homo sapiens (human)]
Official Symbol	APOE apolipoprotein E [Homo sapiens (human)]
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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SDS-PAGE

Coomassie blue staining of purified APOE protein. The protein was produced from HEK293T cells transfected with APOE cDNA clone using MegaTran 2.0.

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