

# Recombinant Human APOE Protein, His-tagged, Alexa 555 Conjugated

**Cat. No.** APOE-17HAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human APOE protein with a His-tag was expressed in HEK293. Purified protein was labeled with Alexa Fluor 555 in vitro.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Conjugation/Label</b>	Alexa 555
<b>Form</b>	PBS buffer
<b>Molecular Mass</b>	35 kDa
<b>AA Sequence</b>	KVEQAVETEPEPELRQQTEWQSGQR WELALGRFWDYLRWVQTLSEQVQEE LLSSQVTQELRALMDETMKELKAYK SELEEQLTPVAEETRARLSKELQAA QARLGADMEDVCGRLVQYRGEVQAM LGQSTEELRVRLASHLRKLRKLLR

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DADDLQKRLAVYQAGAREGAERGLS AIRERLGPLVEQGRVRAATVGSLAG  
 QPLQERAQAWGERLRARMEEMGSRT RDRLDEVKEQVAEVRAKLEEQAAQQI  
 RLQAEAFQARLKSWFEPLVEDMQRQ WAGLVEKVQAAVGTSAAPVPSDNHV  
 DHHHHHH

<b>Endotoxin</b>	<1 EU/μg
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Conjugation</b>	Alexa Fluor 555

## GENE INFORMATION

<b>Gene Name</b>	APOE apolipoprotein E [ Homo sapiens (human) ]
<b>Official Symbol</b>	APOE
<b>Synonyms</b>	AD2; LPG; APO-E; ApoE4; LDLCQ5; apolipoprotein E; Alzheimer disease 2 (APOE*E4 associated, late onset); apo-E; apolipoprotein E3; LPG; MGC1571; APOE
<b>Gene ID</b>	348
<b>mRNA Refseq</b>	NM_000041.4
<b>Protein Refseq</b>	NP_000032.1
<b>MIM</b>	107741

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UniProt ID

P02649

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