

Recombinant Human APOE Protein, His-tagged, Cy5 Conjugated

Cat. No. APOE-17HCy5 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human APOE protein with a His-tag was expressed in HEK293. Purified protein was labeled with Cy5 in vitro.
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.
Conjugation/Label	Cy5
Form	PBS buffer
Molecular Mass	35 kDa
AA Sequence	KVEQAVETEPEPELRQQTEWQSGQR WELALGRFWDYLRWVQTLSEQVQEE LLSSQVTQELRALMDETMKELKAYK SELEEQLTPVAEETRARLSKELQAA QARLGADMEDVCGRLVQYRGEVQAM LGQSTEELRVRLASHLRKLRKLLR

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DADDLQKRLAVYQAGAREGAERGLS AIRERLGPLVEQGRVRAATVGSLAG
 QPLQERAQAWGERLRARMEEMGSRT RDRLDEVKEQVAEVRAKLEEQAQQI
 RLQAEAFQARLKSWFEPLVEDMQRQ WAGLVEKVQAAVGTSAAPVPSDNHV
 DHHHHHH

Endotoxin <1 EU/μg

Purity >95% by SDS-PAGE

Storage 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.

Conjugation Cy5

GENE INFORMATION

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

Official Symbol APOE

Synonyms AD2; LPG; APO-E; ApoE4; LDLCQ5; apolipoprotein E; Alzheimer disease 2 (APOE*E4 associated, late onset); apo-E; apolipoprotein E3; LPG; MGC1571; APOE

Gene ID 348

mRNA Refseq NM_000041.4

Protein Refseq NP_000032.1

MIM 107741

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UniProt ID

P02649

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