

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 RDRLDEVKEQVAEVRAKLEEQAAQI
 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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