

Datasheet for ABIN935224 **APOE Protein**



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Overview

Quantity:	100 µg
Target:	APOE
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Sequence: MKVEQAVETE PEPELRQOTE WQSGQRWELA LGRFWDYLRW VQTLSEQVQE ELLSSQVTQE
LRALMDETMK ELKAYKSELE EQLTPVAEET RARLSKELQA AQARLGADME DVRGRLVQYR
GEVQAMLGQS TEELRVRLAS HLRKLRKRL RDADDLQKRL AVYQAGAREG AERGLSAIRE
RLGPLVEQGR VRAATVGS LA GQPLQERAQA WGERLRARME EMGSRTDRDL DEVKEQVAEV
RAKLEEQAQQ IRLQAEAFQA RLKSWFEPLV EDMQRQWAGL VEKVQAAVGT SAAPVPSDNH

Characteristics: Purified recombinant Human ApoE4 protein
Expression System: E.coli

Purity: > 90 % pure

Endotoxin Level: < 0.1 ng per µg(1 EU/µg).

Target Details

Target: APOE

Alternative Name: ApoE4 ([APOE Products](#))

Background: ApoE4 is the high risk variant of the APOE gene, the gene most associated with increased risk

Target Details

for late-onset Alzheimer's disease. Wikipedia shows that it is not a direct determinant of the disease - at least a third of patients with Alzheimer's disease are ApoE4 negative and some ApoE4 homozygotes never develop the disease. Yet those with ApoE4/ApoE4 have ~20x risk of developing Alzheimer's.

Alternative Names: Apo E4 protein, Apo-A4 protein, ApoE-4, ApoE 4 protein, ApoE-4 protein, Apolipoprotein E4 protein, ApoE 4, ApoE4

Molecular Weight: 34.4 kDa

Pathways: [Regulation of Cell Size](#), [Lipid Metabolism](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in water to a concentration of 0.1 - 1.0 mg/mL.

Buffer: Lyophilized from 20 mM Na₃PO₄, pH 7.8.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.