

ApoE4 recombinant protein

ApoE4 protein

CATALOG # AAA75349	HOST E. Coli
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PRODUCT SYNONYMS

ApoE4; ApoE4 protein; ApoE 4; ApoE-4; Apolipoprotein E4 protein; ApoE-4 protein; ApoE 4 protein; Apo-A4 protein; Apo E4 protein; ApoE4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. Coli
Purity/Purification	> 90% pure by SDS PAGE and HPLC analyses
Concentration	500ug per vial; lyophilized (varies by lot)
Sequence	Region of ApoE4 protein corresponds to amino acids MKVEQ AVETEPEPEL RQTEWQSGQ RWELALGRFW DYLRWVQTLSEVQEELLSS QVTQELRALM DETMKELKAY KSELEEQLTP VAEETRARLS KELQAAQARL GADMEDVRGR LVQYRGEVQA MLGQSTEELR VRLASHLRKL RKRLLRDADD LQKRLAVYQA GAREGAERGL SAIRERLGPL VEQGRVRAAT VGSLAQPLQ ERAQAWGERL RARMEEMGSR TRDRLDEVKE QVAEVRACLE EQAQIIRLQA EAFQARLKSW FEPLVEDMQR QWAGLVEKVQ AAVGTSAAPV PSDNH.
Species	Human
Form	Sterile filtered through a 0.2 micron filter. Lyophilized from 20 mM Sodium Phosphate, pH 7.8. Centrifuge prior to opening. Reconstitute in water to a concentration of 0.1 - 1.0 mg/ml. Allow the reconstituted vial to sit at room temperature for 1 hour before use. DO NOT VORTEX
Biological Significance	ApoE4 is the high risk variant of the APOE gene, the gene most associated with increased risk 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.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Grade	Recombinant
Expression System	E Coli
Biohazard	Not for human use. Use normal Laboratory precautions when handling reagent. For research purposes only.
Preparation and Storage	Upon receipt store at 4°C for short term storage, -20°C for long term storage. Once reconstituted, can be stored at 4°C for 1 week. Stable for 3 months when further diluted in a buffer with a carrier protein and stored in aliquots at -20°C. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ApoE4 recombinant protein	Purified recombinant Human ApoE4 protein
Product Categories/Family for ApoE4 recombinant protein	Neuroscience

NCBI AND UNIPROT INFORMATION

Molecular Weight	34.4 kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/apoe4-recombinant-protein-e-coli/75349>