

ApoE4 recombinant protein

ApoE4 protein

CATALOG # AAA75600	HOST E.coli
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90% by SDS-PAGE and HPLC analysis.
Form/Format	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 0.1-1.0mg/ml. Allow the reconstituted vial to sit at room temperature for 1 hour before
Concentration	100ug/vial; lyophilized (varies by lot)
Sequence	Region of ApoE4 protein corresponds to amino acids MKVEQ AVETEPEPEL RQQTWQSGQ RWELALGRFW DYLRWVQTLS EQVQEELLSS QVTQELRALM DETMKELKAY KSELEEQLTP VAEETRARLS KELQAAQARL GADMEDVRGR LVQYRGEVQA MLGQSTEELR VRLASHLRKL RKRLLRDADD LQKRLAVYQA GAREGAERGL SAIRERLGPL VEQGRVRAAT VGSLAGQLQ ERAQAWGERL RARMEEMGSR TRDRLDEVKE QVAEVRACLE EQAQQIRLQA EAFQARLKSW FEPLVEDMQR QWAGLVEKVQ AAVGTSAAPV PSDNH.
Grade	Highly Pure
Protein Type	Recombinant
Contaminants	Endotoxin level is less than 0.1ng/ug
Species	Human
Biohazard	Not for human, use normal laboratory precautions when handling reagent. For research purposes only.
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.
Preparation and Storage	Ships ambient or refrigerated. Upon receipt store at 4 degree C short term, 20 degree C long term. Avoid repeat 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/75600>