

ApoE3 recombinant protein

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CATALOG # AAA75433	HOST E.coli
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PRODUCT SYNONYMS

ApoE3; ApoE3 protein; Apoprotein E3 protein; Apo-E3 protein; Apo E3 protein; ApoE 3; ApoE-3 protein; ApoE-3; ApoE 3 protein; ApoE3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	>=90% by SDS-PAGE gel and HPLC
Sequence	MKVEQAVETE PEPELRQQTE WQSGQRWELA LGRFWDYLRW VQTLSEQVQE ELLSSQVTQE LRALMDETMK ELKAYKSELE EQLTPVAEET RARLSKELQA AQARLGADME DVCGRVLVQYR GEVQAMLGQS TEELRVRLAS HLRKLRKRL RDADDLQKRL AVYQAGAREG AERGLSAIRE RLGP
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Grade	Recombinant human protein
Species	Human
Form	Lyophilized from 20mM Sodium Phosphate, pH 7.8, with 0.5 mM DTT. Sterile filtered through a 0.2 micron filter. Centrifuge vial prior to opening. Reconstitute in 20 mM Sodium Phosphate, pH 7.8, and 0.5 mM DTT to a concentration of 1.0 mg/ml. DO NOT VORTEX.
Biological Significance	ApoE3 belongs to a group of proteins that bind reversibly with lipoprotein and play an important role in lipid metabolism. In addition to facilitating solubilization of lipids, these proteins help to maintain the structural integrity of lipoproteins, serve as ligands for lipoprotein receptors, and regulate the activity of enzymes involved in lipid metabolism. Significant quantities of ApoE are produced in liver and brain and to some extent in almost every organ. ApoE exists in three major isoforms; E2, E3, and E4, which differ from one another by a single amino-acid substitution. E3 is the most common isoform and is present in 40-90% of the population.
Usage	The biological activity is determined by its ability to stimulate the proliferation of human SH-SY5Y cells.
Preparation and Storage	Ships on blue ice. Upon receipt store at 4 degree C short term, -20 degree C long term. After reconstitution this product is stable for 1 week at 4 degree C. Working aliquots stored with a carrier protein are stable for at least 3 months at -20 degree C. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ApoE3 recombinant protein	Purified recombinant Human ApoE3 protein
Product Categories/Family for ApoE3 recombinant protein	Neuroscience

NCBI AND UNIPROT INFORMATION

Molecular Weight	34.0kDa
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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.

