BioVision

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For research use only

Recombinant Human ApoE4

CATALOG #:	4699-50	50 µg
	4699-100	100 µg
	4699-500	500 µg
	4699-1000	1 mg
	4699-5000	5 mg

SOURCE: *E. coli*

PURITY: >90% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of ApoE4.

MOL. WEIGHT: 34.4 kDa

FORM: Sterile filtered and lyophilized without additives

RECONSTITUTION:
Centrifuge the vial prior to opening. Reconstitute in dH_2O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and store at 4˚C for 1 week or –20˚C for future use.

STORAGE CONDITIONS:
The lyophilized human ApoE4 is best-stored desiccated below 0˚C. Reconstituted ApoE4 should be stored at working aliquots at -20˚C.

DESCRIPTION:
ApoE belongs to a group of proteins that bind reversibly with lipoprotein and play an important role in lipid metabolism. In addition to facilitating solublization 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 is an important constituent of all plasma lipoproteins. It's interaction with specific ApoE receptor enables uptake of chylomicron remnants by liver cells, which is an essential step during normal lipid metabolism. It also binds with the LDL receptor (apo B/E). Defects in ApoE are a cause of hyperlipoproteinemia type III. ApoE exists in three major isoforms; E2, E3, and E4, which differ from one another by a single amino-acid substitution. Individuals heterozygous for the ApoE4 allele are at higher risk of late-onset Alzheimer's disease. Recombinant human ApoE4 is a 34.4 kDa protein containing 300 amino acid residues (Accession No. AAB59397).

ApoE4

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Growth Factors and Cytokines
Quality Antibodies for Apoptosis and Signal Transduction Molecules

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BioVision Incorporated
155 S. Milpitas Boulevard, Milpitas, CA 95035 USA

Tel: 408-493-1800 | Fax: 408-493-1801
www.biovision.com | tech@biovision.com