

DATA SHEET

Product Name: Human Apolipoprotein E3, ApoE3, Recombinant

Catalog #: A-2016

Source: *E. coli*

Molecular Mass: 34.0 kDa

Protein Purity: >90% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng/μg of ApoE3

Supplied As: Sterile filtered and lyophilized with no additives

Resuspension: Centrifuge the vial prior to opening. Reconstitute in water 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: The lyophilized ApoE3 is best-stored desiccated below 0°C. Reconstituted ApoE3 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 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. ApoE exists in three major isoforms; E2, E3, and E4, which differ from one another by a single aminoacid substitution. E3 is the most common isoform and is present in 40-90% of the population. Recombinant human ApoE3 is a 34.0 kDa protein containing 299 amino acid residues.

For research use only. Not for use in humans.