RELIA*Tech* GmbH
Lindenerstr. 15
38300 Wolfenbüttel
Germany

Tel.: +49 5331 8586 987
Fax.: +49 5331 8586 989
Email: info@reliatech.de
web: www.reliatech.de

Recombinant Human ApoE3

Description: ApoE3 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 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. Recombinant human ApoE3 is a 34.0 kDa protein containing 299 amino acid residues.

Source:	E. coli
Molecular Weight:	34 kDa
Purity:	> 90% by SDS-PAGE and HPLC analyses
Endotoxin level:	< 0.1 ng per µg of ApoE3
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: Data not available.

Reconstitution: Reconstitute in 5 mM Sodium Phosphate, pH 7.8 + 0,5 mM DTT to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted ApoE3 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. **Avoid repeated freeze-thaw cycles.**

Usage: Human ApoE3 offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-125 **Size:** 500 µg

****please note: always centrifuge product before opening Vial.****