Apolipoprotein E4 Human Recombinant

Item Number	rAP-0335
Synonyms	Apolipoprotein E, APO-E, Alzheimer Disease 2 (APOE*E4-Associated, Late Onset), Apolipoprotein E3, LDLCQ5, LPG, AD2, APOE.
Description	Apolipoprotein E4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing a total of 306 amino acids including a His Tag at N-terminus and having a molecular mass of 35.2kDa. The Accession # is P02649 VAR_000652.
Uniprot Accesion Number	P02649
Amino Acid Sequence	MHHHHHHKVE QAVETEPEPE LRQQTEWQSG QRWELALGRF WDYLRWVQTL SEQVQEELLS SQVTQELRAL MDETMKELKA YKSELEEQLT PVAEETRARL SKELQAAQAR LGADMEDVRG RLVQYR-GEVQ AMLGQSTEEL RVRLASHLRK LRKRLLRDAD DLQKRLAVYQ AGAREGAERG LSAIRERLGP LVEQGRVRAA TVGSLAGQPL QERAQAWGER LRARMEEMGS RTRDRLDEVK EQVAEVRAKL EEQAQQIRLQ AEAFQARLKS WFEPLVEDMQ RQWAGLVEKV QAAVGTSAAP VPSDNH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized APOE4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution APOE4 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a sterile (0.2µm) filtered aqueous solution containing 10mM sodium phosphate, pH 7.5. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized APOE4 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only