

Human APOE3 Recombinant Protein



RPPB0053

Product Information Protein Information

Product SKU:

RPPB0053

Accession:

P02649

Host:

Escherichia Coli.

Protein description:

APOE3 Human Recombinant (19-317) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 306 amino acids and having a molecular mass of 35.2kDa. The APOE is fused to a Met and a 6 amino acid His tag [M-HHHHHH] at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Apolipoprotein E, LDLCQ5, APO-E, LPG, AD2, Alzheimer Disease 2 (APOE*E4-Associated, Late Onset), Apolipoprotein E3, APOE.

Formulation:

sterile filtered solution supplied in 10mM MOPS, 50mM NaCl, 0.2 % (w/v) CHAPS and 1mM TCEP, PH 7.5.

Purity:

Greater than 95% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MHHHHHHKVE QAVETEPEPE LRQQTEWQSG QRWELALGRF WDYLRRVVQTL SEVQVEELLS SQVTQELRAL
MDETMKELKA YKSELEEQLT PVAEETRARL SKELQAAQAR LGADMEDVCG RLVQYRGEVQ AMLGQSTEEL
RVRLASHLRK LRKRLLRDAD DLQKRLAVYQ AGAREGAERG LSAIRERLGP LVEQGRVRAA TVGSLAGQPL
QERAQAWGER LRARMEEMGS RTRDRLDEVK EQVAEVRAKL EEQAQQIRLQ AEAFAQRLKS WFEPLVEDMQ
RQWAGLVEKV QAAVGTSAAP VPSDNH.

Biological Activity:

Immobilized rHuApoE3 binds to rMuVLDLR with EC50 less than 0.075-0.375µg/ml.