



Human APO-E3, His-Tag (liquid)

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
100 µg	1132.950.100		
500 µg	1132.950.500		
1 mg	1132.950.199		

Please enquire for bulk quantities and other vial sizes.

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 35.2 kDa. 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.

- **Biological Activity** Immobilized rHuApoE3 binds to rMuVLDLR with EC50 less than 0.075-0.375µg/ml.
- **Source** *E. coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** sterile filtered solution supplied in 10 mM MOPS, 50 mM NaCl, 0.2 % (w/v) CHAPS and 1 mM TCEP, PH 7.5*
- **Physical State** Sterile filtered clear solution

Biological Activity

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

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). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MHHHHHHKVE QAVETEPEPE LRQQTWQSG QRWELALGRF WDYLRLWVQTL SEQVQEELLS SQVTQELRAL
 MDETMKELKA YKSELEEQLT PVAEETRRL SKELQAAQAR LGADMEDVCG RLVQYRGEVQ AMLGQSTEEL
 RVRLASHLRK LRKRLLRDAD DLQKRLAVYQ AGAREGAERG LSAIRERLGP LVEQGRVRAA TVGSLAQQL
 QERAQAWGER LRARMEEMGS RTRDRLDEVK EQVAEVRACL EEQAQQIRLQ AEAQFARLKS WFEPLVEDMQ
 RQWAGLVEKV QAAVGTSAAP VPSDNH

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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