

Recombinant Human APOE4 Protein, His-tagged

Cat. No. APOE-1378H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human APOE4 protein was expressed in E. coli with N-terminal His tag.

Species Human

Source E.coli

Form Lyophilized powder

Molecular Mass 35.2kDa

AA Sequence

MHHHHHHKVE QAVETEPEPE LRQQTEWQSG QRWELALGRF WDYLRWVQTL
 SEQVQEELLS SQVTQELRAL MDETMKELKA YKSELEEQLT PVAEETRARL
 SKELQAAQAR LGADMEDVRG RLVQYRGEVQ AMLGQSTEEL RVRLASHLRK
 LRKRLLRDAD DLQKRLAVYQ AGAREGAERG LSAIRERLGP LVEQGRVRAA
 TVGSLAGQPL QERAQAWGER LRARMEEMGS RTRDRLDEVK EQVAEVRACL
 EEQAQQIRLQ AEAFAQRLKS WFEPLVEDMQ RQWAGLVEKV QAAVG TSAAP
 VPSDNH

Purity Greater than 95% as determined by SDS-PAGE.

Storage

Lyophilized APOE4 although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution APOE4 should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

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Storage Buffer Sterile (0.2µ) filtered aqueous solution containing 10mM sodium phosphate, pH 7.5.

Reconstitution It is recommended to reconstitute the lyophilized APOE4 in sterile 18M-cm H2O not less than 100g/ml, which can then be further diluted to other aqueous solutions.

GENE INFORMATION

Gene Name APOE apolipoprotein E [Homo sapiens (human)]

Official Symbol APOE

Synonyms AD2; LPG; APO-E; ApoE4; LDLCQ5

Gene ID 348

MIM 107741

UniProt ID P02649

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