

# Recombinant Human APOE4 Protein, His-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Recombinant human APOE4 protein was expressed in E. coli with N-terminal His tag.                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 35.2kDa                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MHHHHHHKVE QAVETEPEPE LRQQTEWQSG QRWELALGRF WDYLRWVQTL<br>SEQVQEELLS SQVTQELRAL MDETMKELKA YKSELEEQLT PVAEETRARL<br>SKELQAAQAR LGADMEDVRG RLVQYRGEVQ AMLGQSTEEL RVRLASHLRK<br>LRKRLLRDAD DLQKRLAVYQ AGAREGAERG LSAIRERLGP LVEQGRVRAA<br>TVGSLAQPL QERAQAWGER LRARMEEMGS RTRDRLDEVK EQVAEVRACL<br>EEQAQQIRLQ AEAFAQARLKS WFEPLVEDMQ RQWAGLVEKV QAAVG TSAAP<br>VPSDNH |
| <b>Purity</b>           | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | 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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|-----------------------|-------------------------------------------------------------------------------------|
| <b>Storage Buffer</b> | Sterile (0.2µm) filtered aqueous solution containing 10mM sodium phosphate, pH 7.5. |
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| <b>Reconstitution</b> | 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. |
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## GENE INFORMATION

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| <b>Gene Name</b> | APOE apolipoprotein E [ Homo sapiens (human) ] |
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|------------------------|------|
| <b>Official Symbol</b> | APOE |
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| <b>Synonyms</b> | AD2; LPG; APO-E; ApoE4; LDLQC5 |
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| <b>Gene ID</b> | 348 |
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| <b>MIM</b> | 107741 |
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| <b>UniProt ID</b> | P02649 |
|-------------------|--------|

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