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Datasheet for ABIN7535538  
**APOE Protein (His tag)**

### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg                                      |
| Target:                       | APOE  |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This APOE protein is labelled with His tag. |

### Product Details

|                  |   |
|------------------|---|
| Purpose:         | Active Recombinant Human Apolipoprotein E/ApoE Protein  |
| Sequence:        | KVEQAVETEP EPELRQQTEW QSGQRWELAL GRFDYLRWV QTLSEQVQEE LLSSQVTQEL<br>RALMDETMKE LKAYKSELEE QLTPVAEETR ARLSKELQAA QARLGADMED VCGRLVQYRG<br>EVQAMLGQST EELRVRLASH LRKLRKLLR DADDLQKRLA VYQAGAREGA ERGLSAIRER<br>LGPLVEQGRV RAATVGSLAG QPLQERAQAW GERLRARMEE MGSRTDRDL EVKEQVAEVR<br>AKLEEQAQVI RLQAEAFQAR LKSWFEPLVE DMQRQWAGLV EKVQAAVGTG AAPVPSDNH |
| Specificity:     | Lys19-His317  |
| Purity:          | > 95 % by SDS-PAGE.   |
| Sterility:       | 0.22 µm filtered  |
| Endotoxin Level: | <0.1EU/µg   |

### Target Details

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|---------|------|
| Target: | APOE |
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## Target Details

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Alternative Name: Apolipoprotein E/ApoE ([APOE Products](#))

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Background: Description: This protein is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants.

Name: APOE,AD2,APO-E,ApoE4,LDLCQ5,LPG,ApoE

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Gene ID: 348

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UniProt: [P02649](#)

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Pathways: [Regulation of Cell Size](#), [Lipid Metabolism](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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Storage: -20 °C,-80 °C

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Storage Comment: Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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