

Datasheet for ABIN7273871

**APOE Protein (AA 19-311) (Fc Tag)****2** Images[Go to Product page](#)

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg                                     |
| Target:                       | APOE                                       |
| Protein Characteristics:      | AA 19-311                                  |
| Origin:                       | Mouse                                      |
| Source:                       | HEK-293 Cells                              |
| Protein Type:                 | Recombinant                                |
| Purification tag / Conjugate: | This APOE protein is labelled with Fc Tag. |

## Product Details

|                  |  |
|------------------|--|
| Purpose:         | Mouse APOE/Apolipoprotein E Protein  |
| Sequence:        | Glu19-Gln311   |
| Characteristics: | Recombinant Mouse APOE/Apolipoprotein E Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Glu19-Gln311. |
| Purity:          | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC  |
| Sterility:       | 0.22 µm filtered   |
| Endotoxin Level: | Less than 1EU per µg by the LAL method.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | APOE                                   |
| Alternative Name: | APOE ( <a href="#">APOE Products</a> ) |

## Target Details

|                   |  |
|-------------------|--|
| Background:       | Apolipoprotein E (apoE) is a lipid carrier in both the peripheral and the central nervous systems. Lipid-loaded apoE lipoprotein particles bind to several cell surface receptors to support membrane homeostasis and injury repair in the brain. Considering prevalence and relative risk magnitude, the $\epsilon$ 4 allele of the APOE gene is the strongest genetic risk factor for late-onset Alzheimer's disease (AD). |
| Molecular Weight: | 60.7 kDa. Due to glycosylation, the protein migrates to 62-66 kDa based on Tris-Bis PAGE result.   |
| UniProt:          | <a href="#">P08226</a>   |
| Pathways:         | <a href="#">Regulation of Cell Size</a> , <a href="#">Lipid Metabolism</a>   |

## Application Details

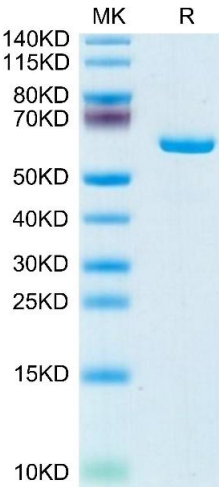
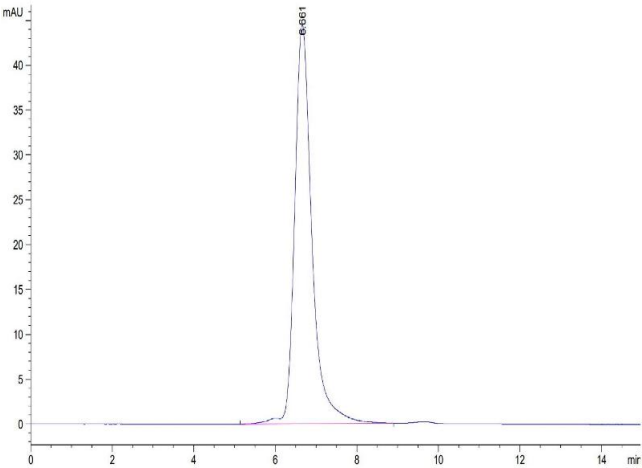
|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |  |
|------------------|--|
| Format:          | Lyophilized  |
| Reconstitution:  | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.  |
| Buffer:          | Lyophilized from 0.22 $\mu$ m filtered solution in 20 mM PB, 150 mM NaCl ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.   |
| Storage:         | -20 °C,-80 °C  |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date:     | 12 months  |

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Mouse APOE/Apolipoprotein E is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 2.** Mouse APOE/Apolipoprotein E on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .