

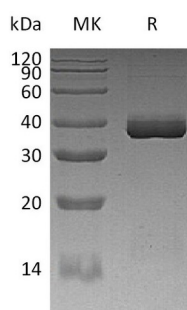
**Product Name: Recombinant Human ApoE3 (C-6His)**  
**Catalog #: PHH0087**



## Summary

|                                 |                                                                                                                                                                                                                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                     | Apolipoprotein E3/ApoE3                                                                                                                                                                                                                                                                |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE                                                                                                                                                                                                                                    |
| <b>Endotoxin level</b>          | <1 EU/μg as determined by LAL test.                                                                                                                                                                                                                                                    |
| <b>Construction</b>             | Recombinant Human Apolipoprotein E3 is produced by our Mammalian expression system and the target gene encoding Lys19-His317 is expressed with a 6His tag at the C-terminus.                                                                                                           |
| <b>Accession #</b>              | P02649                                                                                                                                                                                                                                                                                 |
| <b>Host</b>                     | Human Cells                                                                                                                                                                                                                                                                            |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                  |
| <b>Predicted Molecular Mass</b> | 35.3 KDa                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>              | Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 5% Trehalose, 5% Mannitol, 0.02% Tween80, pH 8.0.                                                                                                                                                                        |
| <b>Shipping</b>                 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.                                                                                                                                                                     |
| <b>Stability&amp;Storage</b>    | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.                                                          |
| <b>Reconstitution</b>           | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image



## Background

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**Alternative Names**

Apolipoprotein E;APOE;Apo-E;ApoE3

**Background**

ApoE, a glycoprotein, is a structural component of very low density lipoprotein (vLDL) synthesized by the liver and intestinally synthesized chylomicrons . ApoE is also a constituent of a subclass of high density of lipoproteins (HDL) involved in cholesterol transport .ApoE mediates high affinity binding of chylomicrons and vLDL particles to the LDL receptor, allowing for specific uptake of these particles by the liver, preventing the accumulation of cholesterol rich particles in the plasma .Apolipoprotein E combines with fats (lipids) in the body to form molecules called lipoproteins and Apolipoprotein E is a major component of a specific type of lipoprotein called very low-density lipoproteins (VLDLs).

**Note**

For Research Use Only , Not for Diagnostic Use.