

# Human APOE3/Apolipoprotein E Protein, Ultra Low Endotoxin

Cat. No. APO-HM101-UL

## Description

<b>Source</b>	Recombinant Human APOE3/Apolipoprotein E Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Lys19-His317.
<b>Accession</b>	P02649-1
<b>Molecular Weight</b>	The protein has a predicted MW of 35.3 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

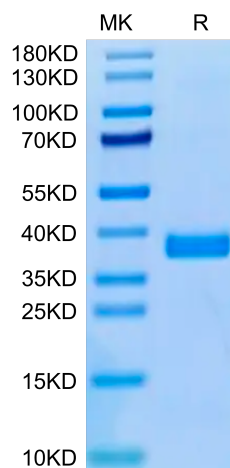
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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 ε4 allele of the APOE gene is the strongest genetic risk factor for late-onset Alzheimer's disease (AD).

## Assay Data

### Bis-Tris PAGE



Human APOE3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.