

# Recombinant Human Apolipoprotein E/ApoE protein (His tag)



Catalog Number:PDMH100121

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

<b>Synonyms</b>	Apolipoprotein E;APOE;Apo-E
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met1-His317
<b>Accession</b>	P02649
<b>Calculated Molecular Weight</b>	34.8 kDa
<b>Observed molecular weight</b>	38 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## 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).

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