

Datasheet for ABIN7597464

## ApoE2 Protein (AA 19-317) (His tag)



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### Overview

Quantity:	10 µg
Target:	ApoE2 (apoe2)
Protein Characteristics:	AA 19-317
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ApoE2 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant human APOE2 Protein with C-terminal 6xHis tag
Sequence:	APOE2(R176C)(Lys19-His317) 6xHis tag
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	ApoE2 (apoe2)
Alternative Name:	APOE2 ( <a href="#">apoe2 Products</a> )
Background:	<p>APOE2</p> <p>The protein encoded by this gene 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</p>

## Target Details

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. [provided by RefSeq, Jun 2016]

**Molecular Weight:** predicted molecular mass of 35.0 kDa after removal of the signal peptide. The apparent molecular mass of APOE2-His is 25-55 kDa due to glycosylation.

**UniProt:** [P02649](#)

## Application Details

**Application Notes:** Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

**Comment:** The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

**Storage:** -20 °C, -80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months