

## **PRODUCT INFORMATION**

APOE2 **Target** APOE2 **Synonyms** 

Recombinant human APOE2 Protein with C-**Description** 

terminal 6×His tag

**Delivery** In Stock **Uniprot ID** P02649 **Expression Host HEK293** Tag C-6×His tag

Molecular

APOE2(R176C)(Lys19-His317)  $6 \times$  His tag Characterization

The protein has a predicted molecular mass of

35.0 kDa after removal of the signal peptide. The apparent molecular mass of APOE2-His is **Molecular Weight** 

approximately 25-55 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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 apolipoprotein C1 and C2 genes.

**Background** 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] Research use only

**Usage** Conjugate Unconjugated



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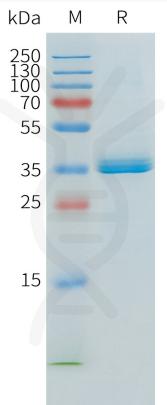


Figure 1. Human APOE2 Protein, His Tag on SDS-PAGE under reducing condition.

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