

Recombinant Human Apolipoprotein E/ApoE Protein

Catalog No.: RP01443

Sequence Information

Species **Gene ID**
Human 348

Swiss Prot **Tags**
P02649 C-His

Synonyms

APOE,AD2,APO-E,ApoE4,LDLCQ5,
LPG,ApoE

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
34.24 kDa 35-40 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

This protein 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. 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.

Basic Information

Description

Recombinant Human Apolipoprotein E/ApoE Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys19-His317) of human Apolipoprotein E/ApoE (Accession #NP_000032.1) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Human ApoE (Catalog: RP01443) at 5ug/mL (100 μL/well) can bind Human TREM2 (Catalog: RP01159) with a linear range of 0.6-65 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

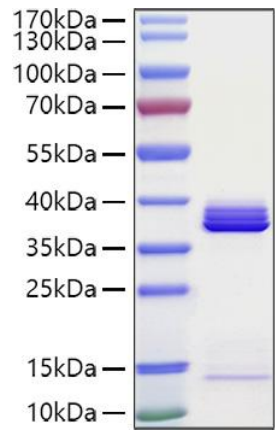
Contact

☎ | 400-999-6126

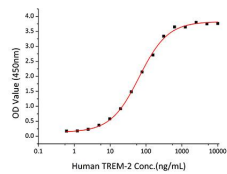
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Validation Data



Recombinant Human Apolipoprotein E/ApoE Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human ApoE at 5µg/mL (100 µL/well) can bind Human TREM2 with a linear range of 0.6-65 ng/mL .