

Recombinant Mouse Apolipoprotein E/APOE Protein

Catalog No.: RP00640

Sequence Information

Species **Gene ID**
Mouse 11816

Swiss Prot **Tags**
P08226 C-His

Synonyms

APOE, AD2, APO-E, ApoE4, LDLCQ5, LPG, AI255918, Apo-E, Apoe

Product Information

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

Calculated MW **Observed MW**
34.81 kDa 35-45 kDa

Endotoxin

< 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 tube 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

Apolipoprotein E (Apo-E), is a member of the apolipoprotein A1/A4/E family. ApoE is a major protein component of serum LDL, VLDL, HDL, and chylomicrons. APOE may function in mediating the binding, internalization, and catabolism of lipoprotein particles. It can serve as a ligand for the LDL (apo B/E) receptor and for the specific apo-E receptor (chylomicron remnant) of hepatic tissues. APOE is usually secreted in plasma. Phosphorylation sites are present in the extracellular medium.

Basic Information

Description

Recombinant Mouse ApoE/APOE/Apolipoprotein E Protein is produced by Human cells expression system. The target protein is expressed with sequence (Glu19-Gln311) of mouse ApoE/APOE/Apolipoprotein E (Accession #P08226) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse APOE (Catalog: RP00640) at 5 μg/mL (100 μL/well) can bind Mouse TREM2 (Catalog: RP01558) with a linear range of 0.16-1.5 μg/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.

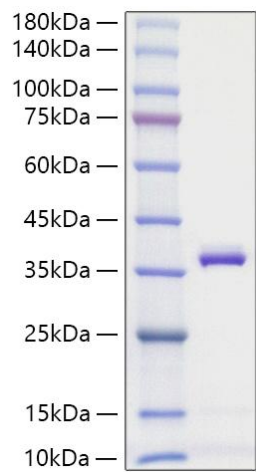
Contact

☎ | 400-999-6126

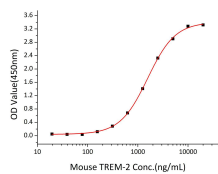
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Validation Data



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



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