

Human ApoE4 protein

Cat. No. GTX136908-pro
Species Human

Package
500 µg

PRODUCT

Summary

APOE belongs to the apolipoprotein family and is a 299 a.a. protein with three allelic variants that give rise to the APOE 2, APOE 3, and APOE 4 isoforms. APOE is directly involved in lipoprotein metabolism and functions as a ligand for multiple receptors (e.g., the LDL receptor). These isoforms are critical for brain homeostasis and, while APOE 2 was shown to be protective in terms of Alzheimer's disease (AD) risk, the 34.4 kDa APOE 4 isoform is a major risk factor for late-onset AD.

Applications

Observed MW (kDa) 35 kDa.

Properties

Form Lyophilized powder

Buffer Reconstitute with distilled water to 0.1 mg/ml. Lyophilized from 50mM PBS, 100mM NaCl, 5% Trehalose.

Preservative No preservatives

Storage Store at 4°C or below. After reconstitution, keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70°C or below. Do not vortex.

Region/Sequence Full-length human ApoE4 protein (NP_000032.1)

Expression System E. Coli

Purity > 90%

Endotoxin < 0.1 EU/µg

Conjugation Unconjugated

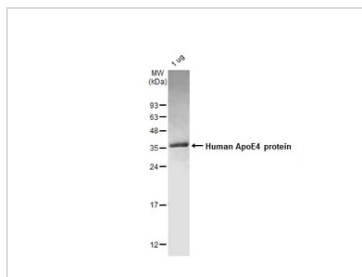
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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DATA IMAGES

GTX136908-pro Image

1µg of GTX136908-pro Human ApoE4 protein was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.



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