

Recombinant Human ApoA4 Protein(His Tag)

Catalog Number: PDMH100325

Note: Centrifuge before opening to ensure complete recovery of vial contents.

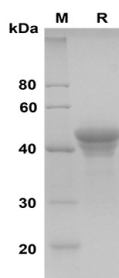
Description

Species	Human
Source	Mammalian-derived Human ApoA4 proteins Met1-Ser396, with an C-terminal His
Calculated MW	43.5 kDa
Observed MW	45 kDa
Accession	P06727
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human ApoA4 proteins, 2 µg/lane of

Recombinant Human ApoA4 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 45 KD

Background

Apolipoprotein is genetically associated with the risk of Alzheimer's disease (AD). The APOA1, APOC3, and APOA4 genes are closely linked and located on human chromosome 11. There was a decreased trend for levels of APOA1, APOC3, and APOA4 in AD patients. CONCLUSION: Low levels of APOA1, APOC3, and APOA4 are associated with risk of AD. APOA1, APOC3, and APOA4 should be developed as combined drugs for the therapy of AD. SNP(single nucleotide polymorphisms)in APOA1 and APOA4 genes influences atherogenic characteristics of LDL particles in response to diet.

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