

Recombinant Human APOA4 Protein (His Tag)

Catalog No. PKSH033287

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

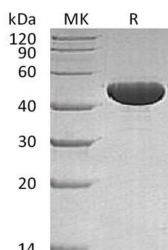
Description

Synonyms	Apolipoprotein A-IV;Apo-AIV;ApoA-IV;Apolipoprotein A4;APOA4
Species	Human
Expression Host	HEK293 Cells
Sequence	Glu21-Ser396
Accession	P06727
Calculated Molecular Weight	44.4 kDa
Observed molecular weight	46 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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 of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Apolipoprotein A4 (APOA4) is a secreted protein that belongs to the apolipoprotein A1/A4/E family. ApoA-IV is a major component of HDL and chylomicrons. APOA4 is secreted into circulation on the surface of newly synthesized

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chylomicron particles. APOA4 play a role in the regulation of appetite and satiety in rodent models. APOA4 involved in chylomicrons and VLDL secretion and catabolism and required for efficient activation of lipoprotein lipase by ApoC-II. In addition, APOA4 is a potent activator of lecithin-cholesterol acyltransferase in vitro.