

Recombinant Human Apolipoprotein C-II/APOC2 Protein (His Tag)

Catalog Number: PKSH032084

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

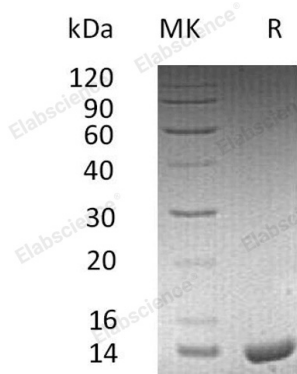
Description

Species	Human
Source	E.coli-derived Human Apolipoprotein C-II; APOC2 protein Thr23-Glu101, with an C-terminal His
Calculated MW	10.0 kDa
Observed MW	14 kDa
Accession	AAP35354.1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, 50% Glycerol, pH 7.4.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

APOC2 activates the lipoprotein lipase in capillaries, which hydrolyzes triglycerides and thus provides free fatty acids for cells. APOC2 is component of the very low density lipoprotein (VLDL) fraction in plasma. It is also an activator of several triacylglycerol lipases. The association of APOC2 with plasma chylomicrons, VLDL, and HDL is reversible, a function of the secretion and catabolism of triglyceride-rich lipoproteins, and changes rapidly. Defects in APOC2 are the cause of hyperlipoproteinemia type 1B (HLPP1B) which characterized by hypertriglyceridemia, xanthomas, and increased risk of pancreatitis and early atherosclerosis.