



Recombinant Protein Technical Manual

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

RPES2867

Product Data:

Product SKU: RPES2867

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P02655

Protein Information:

Molecular Mass: 10.0 kDa

AP Molecular Mass: 14 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 20mMPB, 150mM NaCl, 30% glycerol, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Apolipoprotein C-II; Apolipoprotein C2; APC2 and APOC2

Immunogen Information:

Sequence: Met 1-Glu82

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.