Datasheet for ABIN1880620

Apolipoprotein C-II Protein (APOC2) (AA 1-82) (His tag)

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Overview

Quantity:	50 µg
Target:	Apolipoprotein C-II (APOC2)
Protein Characteristics:	AA 1-82
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Apolipoprotein C-II protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Apolipoprotein C-II/APOC2 (C-6His)
Sequence:	MTQQPQQDEM PSPTLLTQVK ESLSSYWESA KTAAQNLYEK TYLPAVDEKL RDLYSKSTAA MSTYTGIFTD QVLSVLKGEE LEHHHHHH
Characteristics:	Recombinant Human Apolipoprotein C-II/APOC2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Glu82) of Human APOC2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Apolipoprotein C-II (APOC2)

Target Details

Alternative Name:	Apolipoprotein C-II/APOC2 (APOC2 Products)
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.
Molecular Weight:	10 kDa
UniProt:	P02655
Pathways:	Lipid Metabolism

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mMPB,150 mM NaCL,30 % glycerol, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months