Recombinant Mouse Apoc1 Protein, MYC/DDK-tagged

Cat. No. Apoc1-816M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse apolipoprotein C-I (Apoc1), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a precursor plasma protein that is cleaved to yield a signal peptide and two alternatively processed mature peptides. The encoded protein, which is a component of chylomicrons, very low density lipoproteins and high density lipoproteins, transports lipids from the intestines to other locations in the body. This protein binds to free fatty acids preventing their uptake by cells. This protein is a cofactor for lecithin cholesterol acyltransferase, an enzyme that catalyzes the conversion of free cholesterol to cholesteryl esters. The encoded protein inhibits the activity of the cholesteryl ester transfer protein which promotes the exchange of neutral lipids between lipoproteins. In humans this gene is associated with risk of coronary artery disease and age-associated memory impairment. Mice lacking this gene demonstrate impaired memory. This gene is clustered with three other apolipoprotein genes on chromosome 7. Alternative splicing results in multiple transcript variants.
Molecular Mass	9.7 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Apoc1 apolipoprotein C-I [Mus musculus (house mouse)]
Official Symbol	Apoc1
Synonyms	Apoc1; apolipoprotein C-I; apo-CI; apoC-I; Apo-CIB; ApoC-IB; apolipoprotein C-I; apolipoprotein C1
Gene ID	11812
mRNA Refseq	NM_001110009
Protein Refseq	NP_001103479
UniProt ID	P34928

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