

Recombinant Mouse Apoc3 Protein, His-SUMO-tagged

Cat. No. Apoc3-1126M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Apoc3 Protein (21-99aa) was expressed in E. coli with N-terminal His-SUMO-tag.
Species	Mouse
Source	E.coli
ProteinLength	21-99 a.a.
Description	This gene encodes an apolipoprotein which is the major protein component of very-low-density lipoproteins (VLDL) and a minor component of high-density lipoproteins (HDL). The encoded protein is thought to regulate the metabolism of triglyceride-rich lipoproteins and play a role in lipid storage and the mobilization of fat cells. This gene is clustered with three other apolipoprotein genes on chromosome 9 and is associated with coronary disease. Mice lacking this gene have lower levels of total cholesterol in the plasma. Mutations in the human genes causes hyperalphalipoproteinemia 2, a disorder of lipid metabolism which results in a favorable lipid profile (lower LDL-cholesterol, higher HDL-cholesterol and lower levels of serum triglycerides when fasting and after a meal). Alternative splicing results in multiple transcript variants.
Form	Tris-based buffer, 50% glycerol.
Molecular Mass	24.9 kDa

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AA Sequence	EEVEGSLLLGSVQGYMEQASKTVQDALSSVQESDIAVVARGWMDNHFRFLKGYWS KFTDKFTGFWDSNPE DQPTPAIES
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

GENE INFORMATION

Gene Name	Apoc3 apolipoprotein C-III [Mus musculus (house mouse)]
Official Symbol	Apoc3
Synonyms	apo-CIII; apoC-III; apolipoprotein C3; apolipoprotein C-III
Gene ID	11814
mRNA Refseq	NM_023114.3
Protein Refseq	NP_075603.1
UniProt ID	P33622

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