

Recombinant Human Apolipoprotein C-III(APOC3)

Catalog No: #AP70046

Package Size: #AP70046-1 20ug #AP70046-2 100ug #AP70046-3 1mg

Description

Product Name	Recombinant Human Apolipoprotein C-III(APOC3)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-99aaSequence Info:Full Length
Other Names	Apolipoprotein C3
Accession No.	P02656
Calculated MW	24.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SEAEDASLLSFMQGYMKHATKTAKDALSSVQESQVAQQARGWVTDGFSSLKDYWSTVKDKFSEFWDLDP VRPTSAVAA
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Component of triglyceride-rich very low density lipoproteins (VLDL) and high density lipoproteins (HDL) in plasma. Plays a multifaceted role in triglyceride homeostasis. Intracellularly, promotes hepatic very low density lipoprotein 1 (VLDL1) assembly and secretion; Extracellular domainly, attenuates hydrolysis and clearance of triglyceride-rich lipoproteins (TRLs). Impairs the lipolysis of TRLs by inhibiting lipoprotein lipase and the hepatic uptake of TRLs by mannose receptors.

References

Isolation and sequence analysis of the human apolipoprotein CIII gene and the intergenic region between the apo AI and apo CIII genes.Potter A.A., Levy-Wilson B., Miller J., Bensen G., White T., Seilhamer J.J.DNA 3:449-456(1984) Research Topic:Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.