

Recombinant Human Apolipoprotein C-II(APOC2)

Catalog No: #AP70045

Package Size: #AP70045-1 20ug #AP70045-2 100ug #AP70045-3 1mg

Description

Product Name	Recombinant Human Apolipoprotein C-II(APOC2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-101aaSequence Info:Full Length
Other Names	Apolipoprotein C2
Accession No.	P02655
Calculated MW	24.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	TQQPQQDEMPSPFTLTQVKESLSSYWESAKTAAQNLYEKTYLPAVDEKLRDLYSKSTAAMSTYTGTGIFTDQVLS VLKGEE
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 chylomicrons, very low-density lipoproteins (VLDL), low-density lipoproteins (LDL), and high-density lipoproteins (HDL) in plasma. Plays an important role in lipoprotein metabolism as an activator of lipoprotein lipase. Both proapolipoprotein C-II and apolipoprotein C-II can activate lipoprotein lipase. In normolipidic individuals, it is mainly distributed in the HDL, whereas in hypertriglyceridic individuals, predominantly found in the VLDL and LDL.

References

The human preproapolipoprotein C-II gene. Complete nucleic acid sequence and genomic organization.Fojo S.S., Law S.W., Brewer H.B. Jr.FEBS Lett. 213:221-226(1987)Research Topic:Metabolism

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