

Product datasheet

Native Human Apolipoprotein CII/ApoC-II ab90925

[1 Image](#)

Description

Product name	Native Human Apolipoprotein CII/ApoC-II
Purity	> 95 % SDS-PAGE.
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab90925** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized
Additional notes	Prepared from fresh, non-frozen plasma shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests. This product was previously labelled as Apolipoprotein CII

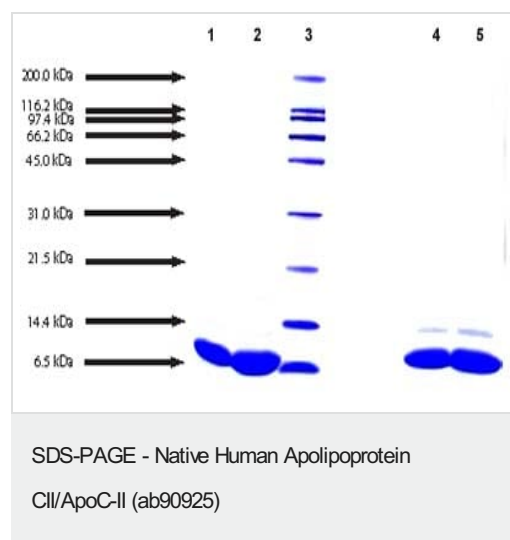
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. pH: 7.40 Constituent: 0.079% Ammonium bicarbonate
Reconstitution	After initial centrifugation, we suggest the addition of the lyophilization buffer (10 mM ammonium bicarbonate, pH 7.4) to the original volume, followed by gentle swirling and/or vortexing to ensure adequate homogenization. If further dilution is required, please use the lyophilization buffer.

General Info

Function	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 normolipidemic individuals, it is mainly distributed in the HDL, whereas in hypertriglyceridemic individuals, predominantly found in the VLDL and LDL.
Tissue specificity	Liver and intestine.
Involvement in disease	Hyperlipoproteinemia 1B
Sequence similarities	Belongs to the apolipoprotein C2 family.
Post-translational modifications	Proapolipoprotein C-II is synthesized as a sialic acid containing glycoprotein which is subsequently desialylated prior to its proteolytic processing. Proapolipoprotein C-II, the major form found in plasma undergoes proteolytic cleavage of its N-terminal hexapeptide to generate apolipoprotein C-II, which occurs as the minor form in plasma.
Cellular localization	Secreted.

Images



SDS-PAGE analysis of ab90925 on an 18% Tris-Glycine Gel

Lane 1: Apolipoprotein CII/ApoC-II - 10 µg (Reduced/heated)

Lane 2: Apolipoprotein CII/ApoC-II - 15 µg (Reduced/heated)

Lane 3: Molecular weight markers

Lane 4: Apolipoprotein CII/ApoC-II - 10 µg (Non-reduced/no heat)

Lane 5: Apolipoprotein CII/ApoC-II - 20 µg (Non-reduced/no heat)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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