

# Native Human Apolipoprotein C-I

**Cat. No.** APOC1-616H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native human APOC1 was expressed in human plasma. Its molecular weight is 6600 Dalton.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Human Plasma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Human Apolipoprotein CI (APOC1) is a lipoprotein with a length of 57 amino acids. Human APOC1 is one of the most positively charged proteins in the human body. The main function of APOC1 is inhibition of CETP, probably by altering the electric charge of HDL molecules. Recent studies have suggested that APOC1 in very low-density lipoprotein (VLDL) plays an important role in causing hypertriglyceridemia independent of APOC3, which is associated with coronary heart disease (CHD). APOC1 has been found to activate LCAT. The normal plasma concentration of APOC1 is 4-7 mg/dl. |
| <b>Form</b>             | Liquid in 75 mM PBS pH 7.4 + 75 mM NaCl + 75 mM EDTA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration</b>    | 6.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Weight</b> | > 99% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | Store at -20°C. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Liquid in 75 mM PBS pH 7.4 + 75 mM NaCl + 75 mM EDTA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**OfficialSymbol** APOC1

## GENE INFORMATION

**Gene Name** APOC1 apolipoprotein C-I [ Homosapiens ]

**Synonyms** APOC1;apolipoprotein C-I; ALPCI; Apoc1; LRRG0; apo-CIB; apoC-IB; apolipoprotein C1;ApoC-IB; Apo-CIB; APOC1B; Apolipoprotein C-I; Apolipoprotein C1; Apo-CIB";ApoC-IB"

**Gene ID** 341

**mRNA Refseq** NM\_001645

**Protein Refseq** NP\_001636

**MIM** 107710

**UniProt ID** P02654

**Chromosome Location** 19q13.2

**Pathway** Statin Pathway

**Function** fatty acid binding;lipase inhibitor activity; phosphatidylcholine binding;phosphatidylcholine-sterol O-acyltransferase activator activity;phospholipase inhibitor activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering  
based on 1ioj.

