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## Product Data Sheet

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Product Name: APOC1 Human  
 Cat. No.: GP20053  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Apolipoprotein C-I; Apo-CI; ApoC-I; Apolipoprotein C1; APOC1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSTPDVSSA LDKLKEFGNT LEDKARELIS RIKQSELSAK MREWFSETFQ KVKEKLKIDS.		
Formulation	APOC1 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.		

### Introduction

Apolipoprotein C-I (APOC1) which expressed mainly in the liver is a part of the apolipoprotein C family. APOC1 which is usually found in plasma and responsible for the activation of esterified lechitin cholesterol takes an important part in the exchange of esterified cholesterol among lipoproteins and in removal of cholesterol from tissues. APOC1 is activated when monocytes differentiate into macrophages. APOC1 protein's main role is to inhibit CETP by altering the electric charge of HDL molecules. APOC1 is also binds free fatty acids and reduces their intracellular esterification.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

APOC1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 80 amino acids (27-83 a.a.) and having a molecular mass of 9.0kDa. APOC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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