

## 32-1053: APOC1 Recombinant Protein

**Alternative Name :** Apolipoprotein C-I,Apo-CI,ApoC-I,Apolipoprotein C1,APOC1.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	APOC1 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MGSTPDVSSA LDKLKEFGNT LEDKARELIS RIKQSELSAK MREWFSETFQ KVKEKLKIDS.