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APOA1 Human

Catalog #:CYPS-044

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Description:APOA1 Human isolated from Human HDL is a single, glycosylated, polypeptide chain having a molecular mass of 28.3kDa. APOA1 is purified using delipidation and gel permeation chromatographic technique.

Synonyms: Apoliprotein A-I, Apo-AI, ApoA-I, APOA1, MGC117399.

Source: Human HDL.

Physical Appearance: Sterile filtered colorless solution.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The APOA1 1mg/ml solution contains 10mM Ammonium Bicarbonate at pH7.4.

Stability:
APOA1 althoμgh stable at 4°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
APOA1 (Apoliprotein A-1) is a human protein with a specific role in lipid metabolism being the main protein component of HDL in the plasma. APOA1 promotes cholesterol efflux from tissues to the liver for excretion. Furthermore, APOA1 is a cofactor for LCAT, which is responsible for the formation of most plasma cholesteryl esters. In addition, APOA1 activates spermatozoa motility as part of the SPAP complex. The APOA1 gene is strongly linked with two other Apoliprotein genes on chromosome 11. Defects in the APOA1 gene are linked to HDL deficiency including Tangier disease, and with systemic non-neuropathic amyloidosis. High levels of APOA1 are linked to the manifestation of asthma and atopy.

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