



Apolipoprotein A-II, human (HuAPO-A2)

Catalog No: 97406
Lot No: XXXXX
Source: Human HDL
Synonyms: Apolipoprotein A-II, Apo-AII, ApoA-II, APOA2

Background

APOA2 stabilizes the HDL structure by its relationship with lipids, and plays a role in the HDL metabolism. APOA2 is the 2nd most abundant protein of the high density lipoprotein particles. APOA2 is localized in plasma as a monomer, homodimer, or heterodimer with apolipoprotein D. Defects in APOA2 gene might cause apolipoprotein A-II deficiency or hypercholesterolemia.

Description

APOA2 human isolated from human HDL is a single, glycosylated, polypeptide chain, having a molecular mass of 17.38 kDa. APOA2 is purified using delipidation and gel permeation chromatographic technique.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The APOA2 1 mg/ml solution contains 10 mM ammonium bicarbonate at pH 7.4.

Stability

APOA2, although stable at 4°C for 1 week, should be stored below -18°C. For long term storage of APOA2 it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Usage

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