

Native Human ApoA-I

Cat. No. ApoA-I-3554H Lot. No. (See product label)

SPECIFICATION

Species Human

Source Human Plasma

Description This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis.

Form Supplied in 10mM NH₄HCO₃, pH 7.4.

Molecular Mass 7,433 Da

Purity >95% pure by SDS PAGE

Notes Small volumes of ApoA-I native protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage Aliquot and store at -70 deg C or lower. Avoid repeated freeze/thaw cycles.

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Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [APOA1 apolipoprotein A-I \[Homo sapiens \]](#)

Official Symbol [APOA1](#)

Synonyms [APOA1](#); [apolipoprotein A-I](#); [apo-AI](#); [apoA-I](#); [MGC117399](#);

Gene ID [335](#)

mRNA Refseq [NM_000039](#)

Protein Refseq [NP_000030](#)

MIM [107680](#)

UniProt ID [P02647](#)

Chromosome Location [11q23-q24](#)

Pathway [ABC-family proteins mediated transport, organism-specific biosystem](#); [ABCA transporters in lipid homeostasis, organism-specific biosystem](#); [African trypanosomiasis, organism-specific biosystem](#); [African trypanosomiasis, conserved biosystem](#); [Amyloids, organism-specific biosystem](#); [Chylomicron-mediated lipid transport, organism-specific biosystem](#); [Disease, organism-specific biosystem](#);

Function [apolipoprotein A-I receptor binding](#); [apolipoprotein receptor binding](#); [beta-amyloid](#)

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binding; cholesterol binding; contributes_to cholesterol transporter activity; cholesterol transporter activity; enzyme binding; high-density lipoprotein particle binding; high-density lipoprotein particle receptor binding; identical protein binding; lipid transporter activity; phosphatidylcholine-sterol O-acyltransferase activator activity; phospholipid binding; protein binding;

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