

Native Human APOA1, Protein A-tagged

Cat. No. APOA1-26121TH **Lot. No.** (See product label)

SPECIFICATION

| | |
|---------------------------|---|
| Product Overview | Full length Human Apolipoprotein A I purified from Human Plasma; amino acids 25-267, MWt 28kDa. |
| Species | Human |
| ProteinLength | 25-267 a.a. |
| 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. |
| Tissue specificity | Major protein of plasma HDL, also found in chylomicrons. Synthesized in the liver and small intestine. |
| Form | Liquid |
| Purity | >95% by SDS-PAGE |
| Storage buffer | Preservative: None Constituents: 10mM Ammonium bicarbonate, pH 7.4 |
| Storage | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw |

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cycles.

Sequence Similarities

Belongs to the apolipoprotein A1/A4/E family.

Full Length

Full L.

GENE INFORMATION

Gene Name

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

Official Symbol

[APOA1](#)

Synonyms

APOA1; apolipoprotein A-I;

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;

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Function

apolipoprotein A-I receptor binding; apolipoprotein receptor binding; beta-amyloid binding; cholesterol binding; contributes_to cholesterol transporter activity;

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