

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: NoneConstituents: 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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