

Recombinant Human APOA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. APOA1-4356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	APOA1 MS Standard C13 and N15-labeled recombinant protein (NP_000030) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preproprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme 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. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein.
Molecular Mass	30.8 kDa
AA Sequence	MKAAVLTLAVLFLTGSQARHFWQQDEPPQSPWDRVKDLATVYVDVLKDSGRDYVS QFEGSALGKQLNLKLLDNWDSVTSTFSKLREQLGPTVQEFWDNLEKETEGLRQEM SKDLEEVKAKVQPYLDDFQKKWQEEMELYRQKVEPLRAELQEGARQKLHELQEKL

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SPLGEEMRDRARAHVDALRTHLAPYSDELQRQLAARLEALKENG GARLA EYHAKAT
EHLSTLSEKAKPALEDLRQG LLPVLESFKVSFLSALEEYTKKLNTQTRTRPLEQKLISE
EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

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

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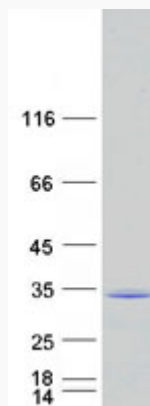
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UniProt ID

P02647

SDS-PAGE

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