

Recombinant Full Length Human APOA1 Protein, GST-tagged

Cat. No. APOA1-1111HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APOA1 full-length ORF (AAH05380, 1 a.a. - 267 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	267 amino acids
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. [provided by RefSeq, Dec 2015]
Molecular Mass	55.11 kDa
AA Sequence	MKAAVLTLAV LFLTGSQARH FWQQDEPPQS PWDRVKDLAT VYVDVLKDSG RDYVSQFEGS ALGKQLNLKL LDNWDSVTST FSKLREQLGP VTQEFWDNLE KETEGLRQEM SKDLEEVKAK VQPYLDDFQK KWQEEMELYR QKVEPLRAEL

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QEGARQKLHE LQEKLSPLGE EMRDRARAHV DALRTHLAPY SDELQRQLAA
RLEALKENGG ARLAEYHAKA TEHLSTLSEK AKPALEDLRQ GLLPVLESFK
VSFLSALEEY TKKLNTQ

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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