

Recombinant Full Length Human APOA1 Protein, C-Flag-tagged

Cat. No. APOA1-979HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human APOA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.9 kDa
AA Sequence	MKAAVLTLAVLFLTGSQARHFWQQDEPPQSPWDRVKDLATVYVDVLKDSGRDYVS QFEGSALGKQLNLKL LDNWDSVTSTFSKLREQLGPVTQEFWDNLEKETEGLRQEM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SKDLEEVKAKVQPYLDDFQKKWQEEMELYR QKVEPLRAELQEGARQKLHELQEKL
 SPLGEEMRDRARAHVDALRTHLAPYSDELQRQLAARLEALKENG
 ARLAEYHAKATEHLSTLSEKAKPALEDLRQGLLPVLESFKVSFLSALEEYTKKLNTQT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	PPAR signaling pathway
Full Length	Full L.

GENE INFORMATION

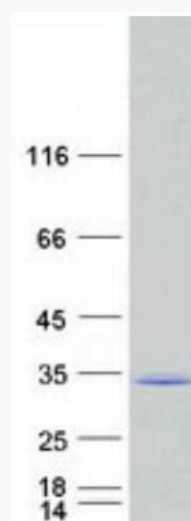
Gene Name	APOA1 apolipoprotein A1 [Homo sapiens (human)]
Official Symbol	APOA1
Synonyms	HPALP2; apo(a)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	335
mRNA Refseq	NM_000039.3
Protein Refseq	NP_000030.1
MIM	107680
UniProt ID	P02647



Coomassie blue staining of purified APOA1 protein.