

Apolipoprotein A-I/APOA1 Recombinant Protein | APOA1 recombinant protein

Apolipoprotein A-I/APOA1 Protein, Mouse, Recombinant (hFc Tag), HPLC-verified

CATALOG #
AAA259256

HOST
HEK293 Cells

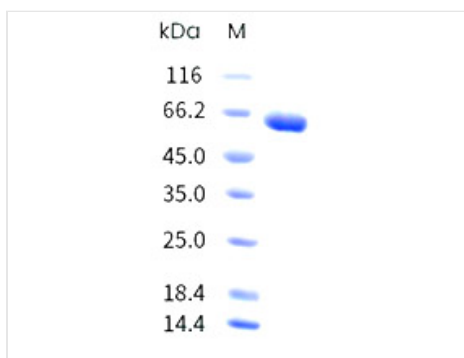
PRODUCT SYNONYMS

Apolipoprotein A-I/APOA1; Apolipoprotein A-I/APOA1 Protein; Mouse; Recombinant (hFc Tag); HPLC-verified; apolipoprotein A-I; 1-Sep Protein; 2-Sep Protein; 42248 Protein; 42249 Protein; Alp-1 Protein; apo-AI Protein; APOA1 Protein; apoA-I Protein; Brp-14 Protein; Ltw-1 Protein; Lvtw-1 Protein; APOA1 recombinant protein

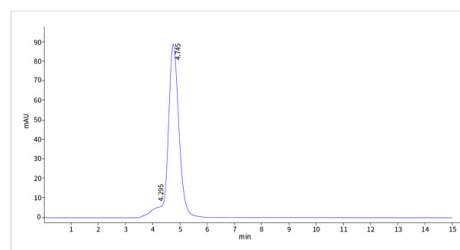
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>= 90% as determined by SDS-PAGE. = 90% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile 50mM Tris, 100mM NaCl, 10% Glycerol, 10% trehalose, 0.02% Tween 80, pH 8.5. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Mouse
Predicted N Terminal	Asp 25
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Mouse APOA1 (Q00623)(Asp25-Gln264) was expressed with the Fc region of human IgG1 at the C-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data



Application Data

Application Data

ADDITIONAL INFORMATION

Related Product Information for APOA1 recombinant protein	Apolipoprotein A1 (APOA1) is a member of the apolipoprotein family whose members are proteins bind with lipids and form lipoproteins to transport these oil-soluble lipids such as fat and cholesterol through lymphatic and circulatory system. APOA1 is the main component of high density lipoprotein (HDL) in plasma and is involved in the esterification of cholesterol as a cofactor of lecithin-cholesterol acyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters, and thus play a major role in cholesterol efflux from peripheral cells. As a major component of the HDL complex, APOA1 helps to clear cholesterol from arteries. APOA1 is also characterized as a prostacyclin stabilizing factor, and thus may have an anticlotting effect. Defects in encoding gene may result in HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Men carrying a mutation may develop premature coronary artery disease.
References	Toptas B, et al. (2011) Comparison of lipid profiles with APOA1 MspI polymorphism in obese children with hyperlipidemia. <i>In Vivo</i>. 25(3): 425-30. Haase CL, et al. (2011) Mutation in APOA1 predicts increased risk of ischaemic heart disease and total mortality without low HDL cholesterol levels. <i>J Intern Med</i>. 270(2): 136-46. Wu Z, et al. (2011) The low resolution structure of ApoA1 in spherical high density lipoprotein revealed small angle neutron scattering. <i>J Biol Chem</i>. 286(14): 12495-508.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160333304
NCBI GeneID	11806
NCBI Accession #	NP_033822.2
NCBI GenBank Nucleotide #	NM_009692.4
UniProt Accession #	Q00623; O08855; O09042; Q8BPD5
Molecular Weight	30,616 Da
NCBI Official Full Name	apolipoprotein A-I preproprotein
NCBI Official Synonym Full Names	apolipoprotein A-I
NCBI Official Symbol	Apoa1
NCBI Official Synonym Symbols	Sep2; Alp-1; Ltw-1; Sep-1; Sep-2; Apoa-1; Brp-14; Lvtw-1; apo-AI; apoA-I
NCBI Protein Information	apolipoprotein A-I
UniProt Protein Name	Apolipoprotein A-I
UniProt Gene Name	Apoa1
UniProt Synonym Gene Names	Apo-AI; ApoA-I; ProapoA-I
UniProt Entry Name	APOA1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/apoa1-recombinant-protein-hek293-cells/259256>