

ApoAI recombinant protein

Recombinant Human ApoAI Protein (Fc tag)

CATALOG #
AAA173560

HOST
HEK293 Cells

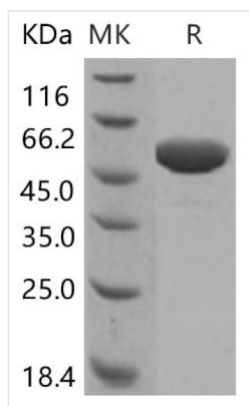
PRODUCT SYNONYMS

ApoAI; Recombinant Human ApoAI Protein (Fc tag); APOA1; MGC117399; ApoAI recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5
Sequence	Met1-Gln26 7
Species	Human
Tag	C-Fc
Bio_activity	Measured by its binding ability in a functional ELISA. Immobilized Human ApoAI at 10 ug/mL (100 ul/well) can bind biotinylated human SCARB1. The EC50 of biotinylated human SCARB1 is 0.37 ug/mL.
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Reconstitution	Please refer to the printed manual for detailed information.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ApoAI recombinant protein	Background: Apolipoprotein A1 (APOA1) is a member of the apolipoprotein family whose members are proteins bind with lipids and form lipoproteins to translate 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28772
NCBI GeneID	335
Molecular Weight	Mol_Mass: 55 kDa AP_Mol_Mass: 55 kDa
NCBI Official Full Name	preproapolipoprotein AI
NCBI Official Synonym Full Names	apolipoprotein A1
NCBI Official Symbol	APOA1
NCBI Official Synonym Symbols	apo(a)
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

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.