PRODUCT INFORMATION

Target	APOA1
Synonyms	AMYLD3; HPALP2; apo(a)
Description	Recombinant human APOA1 Protein with C-terminal 10×His tag
Delivery	In Stock
Uniprot ID	P02647
Expression Host	HEK293
Tag	C-10×His tag
Molecular Characterization	APOA1(Arg19-Gln267) 10×His tag
Molecular Weight	The protein has a predicted molecular mass of 30.3 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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]
Usage	Research use only
Conjugate	Unconjugated

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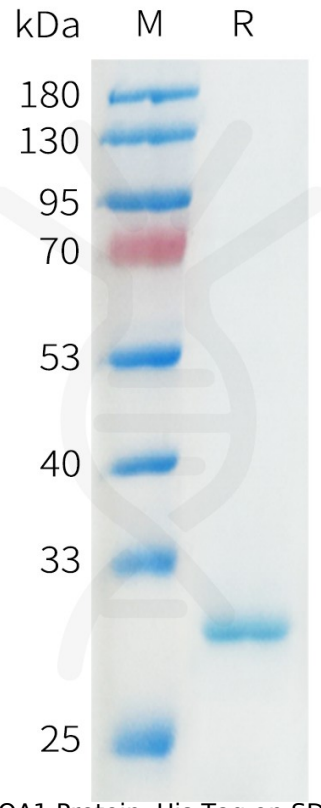


Figure 1. Human APOA1 Protein, His Tag on SDS-PAGE under reducing condition.

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