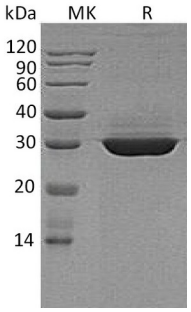
Product Name: Recombinant Human ApoA1 (C-6His)
Catalog #: PHH0080

Summary

Name	Apolipoprotein A-I/ApoA1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Apolipoprotein A-I is produced by our Mammalian expression system and the target gene encoding Arg19-Gln267 is expressed with a 6His tag at the C-terminus.
Accession #	P02647
Host	Human Cells
Species	Human
Predicted Molecular Mass	30 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB,15% Trehalose,0.05% Tween 80 ,50mM Methionine,pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names	Apolipoprotein A-I; Apo-AI; ApoA-I; Apolipoprotein A1; APOA1
Background	Apolipoprotein A1 (APOA1) is a secreted protein which belongs to the Apolipoprotein A1/A4/E family. APOA1 is the major protein component of high density lipoprotein (HDL) in plasma. APOA1 plays a critical role in various biological processes, such as Cholesterol metabolism, Lipid metabolism and transport, Steroid metabolism. APOA1 promotes cholesterol efflux from tissues to the liver and thus helps to clear cholesterol from arteries. Defects in this gene resulted in HDL deficiencies, including Tangier disease (TGD), systemic non-neuropathic amyloidosis, premature coronary artery disease, hepatosplenomegaly and progressive muscle wasting and weakness. In addition, ApoA-I is implicated in the anti-endotoxin function of HDL via interaction with lipopolysaccharide or endotoxin.

Note

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