

For Research Use Only

Recombinant Human APOA1 protein (His Tag)



Catalog Number: Eg0757

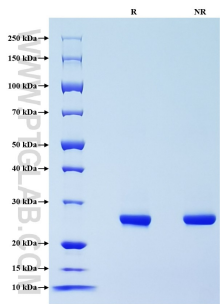
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <1.0 EU/μg protein, LAL method Source: HEK293-derived Human APOA1 protein Asp25-Gln267(Accession# P02647) with a His tag at the C-terminus. GeneID: 335 Accession: P02647 Predicted Molecular Mass: 32.5 kDa SDS-PAGE: Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	ApoA1 is a major protein component of high density lipoproteins (HDL) which is associated with reversed cholesterol transport, lipid/cholesterol binding, lecithin/cholesterol acyltransferase (LCAT) activation and specific receptors binding. It is synthesized in the liver and small intestine. Defects of ApoA1 cause low HDL level and systemic non-neuropathic amyloidosis. Serum concentration of ApoA1 is inversely related to the risk of developing atherosclerosis.		
References	<ol style="list-style-type: none">1. Mangaraj, Manaswini et al. Indian journal of clinical biochemistry: IJCB vol. 31,3 (2016): 253-9.2. Sherman, Courtney B et al. Cardiology in review vol. 18,3 (2010): 141-7.3. Smith, Jonathan D. Current opinion in investigational drugs (London, England: 2000) vol. 11,9 (2010): 989-96.		
Synonyms	apolipoprotein A I, APOA 1, ApoA I, ApoAI, Apo-AI		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human APOA1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.