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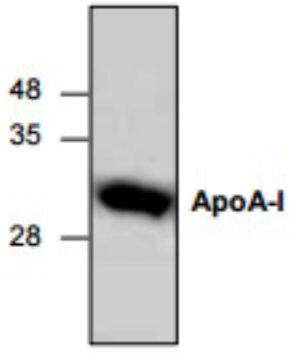
APOA1
Recombinant Human Apolipoprotein A-I

Catalog No.	CRA405B CRA405C	**Quantity:**	100 µg 1.0 mg
Alternate Names:	Apolipoprotein A-I, Apo-AI, ApoA-I		
Description:	Apolipoprotein A-I (APOA1) is produced in the liver and intestine, and secreted as the predominant constituent of nascent high density lipoprotein (HDL) particle. APOA1, which is found exclusively in HDL, has a unique ability to capture and solubilize free cholesterol. This APOA1 ability enables HDL to remove excess peripheral cholesterol and return it to the liver for recycling and excretion. This process, called reverse cholesterol transport, is thought to inhibit arterogenesis. For this reason HDL is also known as the "good cholesterol." The therapeutic potential of APOA1 has been recently assessed in patients with acute coronary syndromes, using a recombinant form of a naturally occurring variant of APOA1 (called apoA-I Milano). The availability of recombinant normal APOA1 should facilitate further investigation into the potential usefulness of APOA1in preventing atherosclerotic vascular diseases.		
UniProt ID:	P02647		
Source:	*E. coli*		
Molecular Weight:	28.2 kDa (244 aa)		
Formulation:	Lyophilized from a sterile filtered solution without additives.		
Purity:	> 97% by SDS-PAGE		
Endotoxin Level:	< 0.1 ng/µg		
Reconstitution:	**Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1-1.0 mg/mL. This solution can then be diluted into other aqueous buffers.		
Storage & Stability:	Upon receipt, store at -20°C to -80°C. Upon reconstitution, store as working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**		

Purity of recombinant human Apo-A1 (2 µg) was analyzed by SDS-PAGE under reducing conditions.



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