APOA1 (Human) Recombinant Protein

Catalog # P8417 Size 100 ug

Specification

Product Description	Human APOA1 (P02647) recombinant protein expressed in *Escherichia coli*.
Amount	> 98% by HPLC and SDS PAGE
Sequence	DEPPQSPWDRVKDLATVYVDVLKDSGRDYVSQFEGSALGKQLNLKLLDNWDSVTSTFSKLREQ LGPVTQEFWDNLEKETEGLRQEMSKDLEEVKAKVQPYLDDFQKKWQEEMELYRQKVEPLRAEL QEGARQKLHELQEKLSPLGEEMRDRARAHVDALRTHLAPYSDELRQRLAARLEALKENGGARLA EYHAKATEHLSTLSEKAKPALEDLRQGLLPVLESFKVSFLSALEEYTKKLNTQ.
Host	Escherichia coli
Theoretical MW (kDa)	28.1
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Storage Buffer	Lyophilized from PBS, pH 7.4.
Storage Instruction	Upon reconstitution should be stored at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — APOA1

Entrez GeneID	335
Protein Accession#	P02647
Gene Name	APOA1

Gene Alias	MGC117399
Gene Description	apolipoprotein A-I
Omim ID	107680 604091
Gene Ontology	Hyperlink
Gene Summary	This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is 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. [provided by RefSeq
Other Designations	OTTHUMP00000069346|OTTHUMP00000069347|OTTHUMP00000069348|apolipoprotein A1

Pathway

- PPAR signaling pathway

Disease

- Albuminuria
- Alzheimer disease
- Anemia
- Angina Pectoris
- Aortic Valve Stenosis
- Atherosclerosis
- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebral Hemorrhage
- Cerebral Infarction

- Cerebrovascular Accident
- Cerebrovascular Disorders
- Chorioamnionitis
- Cleft Lip
- Cleft Palate
- Cognition
- Cognition Disorders
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis
- Dementia
- Diabetes Mellitus
- Diabetic Angiopathies
- Diseases in Twins
- Ductus Arteriosus
- Dyslipidemias
- Edema
- Femur Head Necrosis
- Fetal Membranes
- Gallstones
- Genetic Predisposition to Disease
- Gout
- Hepatitis
- Hepatitis C
- HIV Infections
- Hypercholesterolemia

- Hyperlipidemia
- Hyperlipidemias
- Hypertension
- Hypertriglyceridemia
- Hyperuricemia
- Hypolipoproteinemias
- Infant
- Inflammation
- Insulin Resistance
- Intracranial Aneurysm
- Intracranial Arteriosclerosis
- Kidney Failure
- Metabolic Syndrome X
- Multiple Sclerosis
- Myocardial Infarction
- Myocardial Ischemia
- Neuropsychological Tests
- Obesity
- Obstetric Labor
- Postoperative Complications
- Pre-Eclampsia
- Premature Birth
- Recurrence
- Retinal Diseases
- Thrombosis
- Verbal Learning

- Werner syndrome