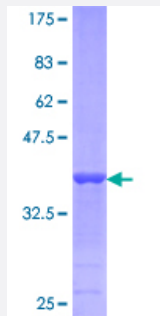


APOB (Human) Recombinant Protein (Q01)

Catalog # H000003338-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human APOB partial ORF (NP_000375.1, 28 a.a. - 127 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EEEMLENVSLVCPKDATRFKHLRKYTYNYEAESSSGVPGTADSRSATRINCKVELEVLPQLCSFILKTSQCTLKEVYGFNPEGKALLKTKNSEEFAAAMS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (85); Rat (83)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — APOB

Entrez GeneID [338](#)

GeneBank Accession# [NM_000384](#)

Protein Accession# [NP_000375.1](#)

Gene Name APOB

Gene Alias FLDB

Gene Description apolipoprotein B (including Ag(x) antigen)

Omim ID [107730](#) [144010](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels. [provided by RefSeq]

Other Designations OTTHUMP00000115994|apoB-100|apoB-48|apolipoprotein B|apolipoprotein B48

Disease

- [Abortion](#)

- [Acute Disease](#)
- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Angina Pectoris](#)
- [Aortic Valve Stenosis](#)
- [Arteriosclerosis](#)
- [Asthenozoospermia](#)
- [Atherosclerosis](#)
- [Azoospermia](#)
- [beta-Thalassemia](#)
- [Biliary Tract Neoplasms](#)
- [Blood Coagulation Disorders](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cholecystolithiasis](#)
- [Cholelithiasis](#)
- [Chorioamnionitis](#)
- [Chromosome Disorders](#)

- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Essential tremor](#)
- [Femur Head Necrosis](#)
- [Fetal Death](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Gallbladder Diseases](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)

- [Holoprosencephaly](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hyperlipoproteinemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Hypobetalipoproteinemias](#)
- [Hypoxia-Ischemia](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Ischemia](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Nephrotic Syndrome](#)

- [Obesity](#)
- [Obstetric Labor](#)
- [Oligospermia](#)
- [Osteoporosis](#)
- [Peripheral Vascular Diseases](#)
- [Phenylketonuria](#)
- [Phenylketonurias](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Rare Diseases](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Spina Bifida Cystica](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Vascular Diseases](#)

- [Virilism](#)
- [Werner syndrome](#)