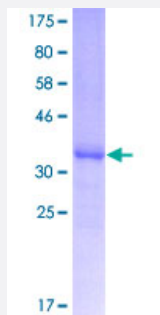


APOC3 (Human) Recombinant Protein (Q01)

Catalog # H00000345-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human APOC3 partial ORF (NP_000031.1, 21 a.a. - 99 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SEAEDASLLSFMQGYMKHATKTAKDALSSVQESQVAQQARGWVTDGFSSLKDYWSTVKDKFS EFWDLDPEDVRPTSAVAA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.43
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 — APOC3

Entrez GeneID [345](#)

GeneBank Accession# [NM_000040](#)

Protein Accession# [NP_000031.1](#)

Gene Name APOC3

Gene Alias APOCIII, MGC150353

Gene Description apolipoprotein C-III

Omim ID [107720](#)

Gene Ontology [Hyperlink](#)

Gene Summary Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and A-IV genes are transcribed from the same strand, while the A-1 and C-III genes are convergently transcribed. An increase in apoC-III levels induces the development of hypertriglyceridemia. [provided by RefSeq]

Other Designations -

Publication Reference

- [Dysfunctional high-density lipoproteins have distinct composition, diminished anti-inflammatory potential and discriminate acute coronary syndrome from stable coronary artery disease patients.](#)

Mihaela G Camuta, Camelia S Stancu, Laura Toma, Gabriela M Sanda, Loredan S Niculescu, Mariana Deleanu, Andreea C Popescu, Mihaela R Popescu, Adelina Vlad, Doina R Dimulescu, Maya Simionescu, Anca V Sima.

Scientific Reports 2017 Aug; 7(1):7295.

Application: Quant, Human, Serum

- [Apolipoprotein A-IV is a candidate target molecule for the treatment of seasonal allergic rhinitis.](#)

Makino Y, Noguchi E, Takahashi N, Matsumoto Y, Kubo S, Yamada T, Imoto Y, Ito Y, Osawa Y, Shibasaki M, Uchida K, Meno K, Suzuki H, Okubo K, Arinami T, Fujieda S.

The Journal of Allergy and Clinical Immunology 2010 Dec; 126(6):1163.

Application: Func, Human, Human basophils

Pathway

- [PPAR signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)

- [Carotid Stenosis](#)
- [Chorioamnionitis](#)
- [Cognition](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Fatty Liver](#)
- [Fetal Membranes](#)
- [Gallstones](#)
- [Gender Identity](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Heart Diseases](#)
- [Hepatitis](#)
- [Hepatitis C](#)

- [HIV Infections](#)
- [HIV-Associated Lipodystrophy Syndrome](#)
- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hyperlipoproteinemia Type III](#)
- [Hyperlipoproteinemia Type IV](#)
- [Hyperlipoproteinemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hyperuricemia](#)
- [Hypolipoproteinemias](#)
- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Microvascular Angina](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)

- [Peripheral Vascular Diseases](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Stroke](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [Weight Loss](#)
- [Werner syndrome](#)