

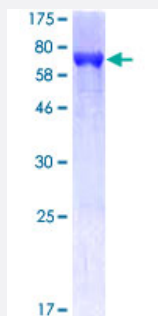
Full-Length

APOA4 (Human) Recombinant Protein (P01)

Catalog # H000003337-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human APOA4 full-length ORF (AAH74764.1, 1 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFLKAVVLTALVAVAGARAEVSADQVATVMWDYFSQLSNNAKEAVEHLQKSEL TQQLNALFQ
DKLGEVNTYAGDLQKKLVPFATELHERLAKDSEKLKEEIGKELEELRARLLPHANEVSQKIGDNLR
ELQQRLEPYADQLRTQVNTQAEQLRRQLTPYAQRMERVLRENADSLQASLRPHADELKAKIDQN
VEELKGRLTPYADEFKVKIDQTV EELRRSLAPYAQDTQEKLNHQLEGLTFQMKKNAEELKARISAS
AEELRQRLAPLAEDVRGNLRGNT EGLQKSLAELGGHLDQQVEEFRRRVEPYGENFNKALVQQM
EQLRQKLGP HAGDVEGHLSFLEKDLRDKVNSFFSTFKEKESQDKTLSLPELEQQQEQQEQQQ
EQVQMLAPLES

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.8

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 — APOA4

Entrez GeneID [337](#)

GeneBank Accession# [BC074764.2](#)

Protein Accession# [AAH74764.1](#)

Gene Name APOA4

Gene Alias MGC142154, MGC142156

Gene Description apolipoprotein A-IV

Omim ID [107690](#)

Gene Ontology [Hyperlink](#)

Gene Summary Apolipoprotein (apo) A-IV gene contains 3 exons separated by two introns. A sequence polymorphism has been identified in the 3'UTR of the third exon. The primary translation product is a 396-residue preprotein which after proteolytic processing is secreted its primary site of synthesis, the intestine, in association with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro. [provided by RefSeq]

Other Designations -

Disease

- [Amyotrophic lateral sclerosis](#)

- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Disorders](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hyperlipoproteinemia Type IV](#)
- [Hypertension](#)

- [Hypertriglyceridemia](#)
- [Hyperuricemia](#)
- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pulmonary Disease](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)