

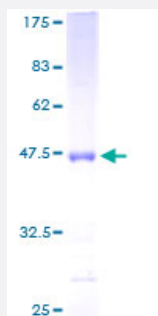
Full-Length

APOM (Human) Recombinant Protein (P01)

Catalog # H00055937-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human APOM full-length ORF (AAH20683, 23 a.a. - 188 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	CPEHSQLTTLGVDGKEFPEVHLGQWYFIAGAAPTKEELATFDPVDNIVFNMAAGSAPMQLHLRAT IRMKDGLCVPRKWIYHLTEGSTDLRTEGRPDMKTELFSSSCP GGIMLNETGQGYQRFLLYNRSPH PPEKCVVEEFKSLTSCLD SKAFLLTPRNQEACELSNN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44
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 — APOM

Entrez GeneID [55937](#)

GeneBank Accession# [BC020683](#)

Protein Accession# [AAH20683](#)

Gene Name APOM

Gene Alias G3a, HSPC336, MGC22400, NG20

Gene Description apolipoprotein M

Omim ID [606907](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is an apolipoprotein and member of the lipocalin protein family. It is found associated with high density lipoproteins and to a lesser extent with low density lipoproteins and triglyceride-rich lipoproteins. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. Two transcript variants encoding two different isoforms have been found for this gene, but only one of them has been fully characterized. [provided by RefSeq]

Other Designations NG20-like protein|OTTHUMP00000029364|alternative name: G3a, NG20

Publication Reference

- [ApoM-S1P Modulates Ox-LDL-Induced Inflammation Through the PI3K/Akt Signaling Pathway in HUVECs.](#)

Zheng Z, Zeng Y, Zhu X, Tan Y, Li Y, Li Q, Yi G.

Inflammation 2018 Oct; [Epub].

Application: Func, Human, HUVECs

- [Apolipoprotein M Gene \(APOM\) Polymorphism Modifies Metabolic and Disease Traits in Type 2 Diabetes.](#)

Zhou JW, Tsui SK, Ng MC, Geng H, Li SK, So WY, Ma RC, Wang Y, Tao Q, Chen ZY, Chan JC, Ho YY.

PLoS One 2011 Feb; 6(2):e17324.

Application: Dot, As a standard, Recombinant protein

- [Evaluation of apolipoprotein M as a biomarker of coronary artery disease.](#)

Jiao G, Yang C, Li J, Xiao M, Lin L, Xue Y, Ye Y.

Clinical Biochemistry 2009 Mar; 42(4-5):365.

Application: Quant, Human, Plasma from patients with coronary artery disease

- [Evaluation of Apolipoprotein M Serum Concentration as a Biomarker of HNF-1alpha MODY.](#)

Skupien J, Kepka G, Gorczynska-Kosiorz S, Gebaska A, Klupa T, Wanic K, Nowak N, Borowiec M, Sieradzki J, Malecki MT.

The Review of Diabetic Studies : RDS 2008 Feb; 4(4):231.

Application: Dot, WB-Re

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)

- [Osteoarthritis](#)