

Recombinant human Apolipoprotein M/APOM protein

Catalog Number: ATGP0521

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-188aa

UniProt No.

O95445

NCBI Accession No.

NP_061974

Alternative Names

Apolipoprotein M, G3a, HSPC336, NG20, Apolipoprotein M Apo M, ApoM, G3A, MGC22400, NG20 like protein, Protein G3a.

PRODUCT SPECIFICATION

Molecular Weight

20.9 kDa (187aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Apolipoproteins are protein components of plasma lipoproteins. APOM is a member of the lipocalin family of proteins. APOM is exclusively expressed in kidney tubular epithelial cells and liver hepatocytes. APOM is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. It is important for the formation of prebeta-HDL and cholesterol efflux to HDL, and thereby inhibits formation of atherosclerotic lesions. The concentration of APOM in plasma strongly correlates with total cholesterol. Low

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concentrations of APOM in plasma are associated with diabetes. Recombinant human APOM protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

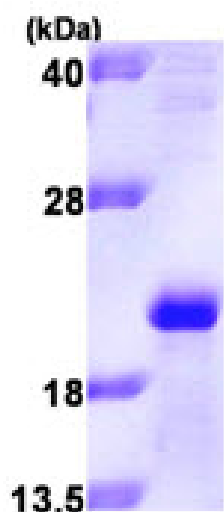
MGSSHHHHHH SGLVPRGSH MCPEHSQLTT LGVDGKEFPE VHLGQWYFIA GAAPTKEELA TFDVVDNIVF NMAAGSAPMQ
LHLRATIRMK DGLCVPRKWI YHLTEGSTDL RTEGRPDMKT ELFSSSCP GG IMLNETGQGY QRFLLYNRSP HPPEKCVVEEF
KSLTSCLD SK AFLTTPRNQE ACELSNN

General References

Jiang J., et al. (2008) Lipids Health Dis. 7:25.
Duan J., et al. (2001) FEBS Lett. 499(1-2):127-32.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)