

# Product information



**APOM, 23-188 aa**

**Human, His-tagged, Recombinant, *E.coli***

**Cat. No. IBATGP0521**

**Full name:** Apolipoprotein M.

**NCBI Accession No.:** NP\_061974

**Synonyms:** G3a, HSPC336, NG20.

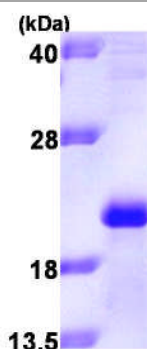
**Description:** Apolipoproteins are protein components of plasma lipoproteins. APOM is a member of the lipocalin family of proteins. APOM is exclusively expressed in kidney tubular epithelial cells and liver hepatocytes. APOM is secreted through the plasma membrane but remains membrane-bound, where 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 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.

**Form:** Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol  
1mM DTT.

**Molecular Weight:** 20.9 kDa (187aa), confirmed by MALDI-TOF

**Purity:** > 90% by SDS – PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MCPEHSQLTT LGVDGKEFPE VHLGQWYFIA GAAPTKEELA TFDPVDNIVF NMAAGSAPMQ LHLRATIRMK  
DGLCVPRKWI YHLTEGSTDL RTEGRPDMKT ELFSSSCP GG IMLNETGQGY QRFLLYNRSP HPPEKCVVEEF KSLTSCLSK AFLTTPRNQE  
ACELSNN

**General references:**

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Jiang J., *et al.* (2008) *Lipids Health Dis.* 7:25.

Duan J., *et al.* (2001) *FEBS Lett.* 499(1-2):127-32.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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