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## **Recombinant Human APOM Protein (His Tag)**

Catalog No. PKSH033762

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Synonyms Apolipoprotein M;Apo-M;ApoM;Protein G3a;APOM;G3A;NG20

Species Human

Expression Host HEK293 Cells
Sequence Met1-Asn188
Accession O95445
Calculated Molecular Weight 22.3 kDa
Observed molecular weight 26 kDa
Tag C-His

**Bioactivity** Not validated for activity

### **Properties**

**Purity** > 90 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per ug of the protein as determined by the LAL method.

**Storage** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

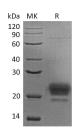
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** Please refer to the printed manual for detailed information.

#### Data



> 90 % as determined by reducing SDS-PAGE.

## **Background**

Apolipoprotein M is a secreted protein which belongs to the Lipocalin family. ApoM often presents in high density lipoprotein (HDL) and to a lesser extent in triglyceride-rich lipoproteins (TGRLP) and low density lipoproteins (LDL).

#### For Research Use Only

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The ApoM gene encoded protein is expressed in liver and kidney; secreted through the plasma membrane but remains membrane-bound. ApoM probably involved in lipid transport. ApoM can bind sphingosine-1-phosphate; myristic acid; palmitic acid and stearic acid; retinol; all-trans-retinoic acid and 9-cis-retinoic acid. The expression of ApoM could be regulated by platelet activating factor (PAF); Transforming Growth Factors (TGF); Insulin-Like Growth factor (IGF) and Leptin.

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