

## Recombinant Human APOM Protein (His Tag)

**Catalog Number:** PKSH033762

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

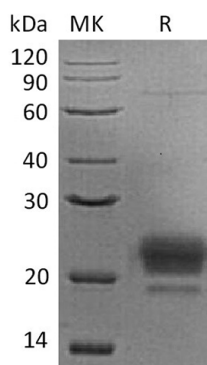
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human APOM protein Met1-Asn188, with an C-terminal His
<b>Calculated MW</b>	22.3 kDa
<b>Observed MW</b>	26 kDa
<b>Accession</b>	O95445
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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.
<b>Reconstitution</b>	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). 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.

### For Research Use Only