



# Recombinant Protein Technical Manual

## Recombinant Human APOM Protein (His Tag)

RPES4499

### Product Data:

**Product SKU:** RPES4499

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** O95445

### Protein Information:

**Molecular Mass:** 22.29 kDa

**AP Molecular Mass:** 26 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 80% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 7.2.

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

**Application:**

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

## Immunogen Information:

**Sequence:** Met1-Asn188

## 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-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.