



# Recombinant Protein Technical Manual

**Recombinant Human Apolipoprotein A2/ApoA2  
Protein (His Tag)**  
RPES2846

## Product Data:

**Product SKU:** RPES2846

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P02652

## Protein Information:

**Molecular Mass:** 9.7 kDa

**AP Molecular Mass:** 13 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

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

**Storage:** 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,pH7.4.

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

**Application:**

**Synonyms:** Apolipoprotein A-II;Apo-AII;Apolipoprotein A2;Truncated apolipoprotein A-II;ProapoA-II;APOA2

## Immunogen Information:

**Sequence:** Gln24-Gln100

## Background:

Apolipoprotein A-II (Apo-AII for short), also known as Apolipoprotein A2, is a secreted protein which belongs to the apolipoprotein A2 family. It exists as a disulfide-linked homodimer; and also can form a disulfide-linked heterodimer with APOD. APOA2 is the 2nd most abundant protein of the high density lipoprotein particles. This protein may stabilize HDL (high density lipoprotein) structure by its association with lipids, and affect the HDL metabolism. Defects in APOA2 gene might cause apolipoprotein A-II deficiency or hypercholesterolemia.