# Recombinant Protein Technical Manual

## Recombinant Human ZAG/AZGP1 Protein (His Tag)

**RPES3067**

## Product Data:

**Product SKU:** RPES3067

**Size:** 10µg

**Species**: Human

**Expression host:** Human Cells

**Uniprot:** P25311

## Protein Information:

**Molecular Mass:** 33.2 kDa

**AP Molecular Mass:** 42 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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 TrisHCl, 150mM NaCl, pH 7.5.

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

**Application:**

**Synonyms:** Zinc-Alpha-2-Glycoprotein; Zn-Alpha-2-GP; Zn-Alpha-2-Glycoprotein; AZGP1; ZAG; ZNGP1

## Immunogen Information:

**Sequence:** Gln21-Ser298

## Background:

Zinc-α-2-Glycoprotein (AZGP1) can be found in blood plasma, seminal plasma, urine, sweat, saliva, liver, and epithelial cells of various human glands. AZGP1 has been proposed in the regulation of body weight, and the melanin production by normal and malignant melanocytes. AZGP1 stimulates lipid degradation in adipocytes and causes the extensive fat losses associated with some advanced cancers. AZGP1 has been reported to stimulate lipid breakdown and may have an important role in lipid homeostasis. Mature human AZGP1 consists of one MHC class I antigen region and a C2-type Ig-like domain. AZGP1 has two alternate splice forms, one shows a 66 amino acids substitution for the C-terminal 30 amino acids, the other one shows a nine Lys substitution for amino acid 151-298.