

# Recombinant Human Zinc-alpha-2-glycoprotein/AZGP1 Protein

Catalog No.: RP01088 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	563	P25311

### Tags

C-His

### Synonyms

AZGP1;ZA2G;ZAG; ZAG

## Background

Zinc- $\alpha$ -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.

## Basic Information

### Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 1.0 EU/ $\mu$ g of the protein by LAL method.

### Formulation

Lyophilized from a 0.22  $\mu$ m filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### Description

Recombinant Human Zinc-alpha-2-glycoprotein/AZGP1 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Gln21-Ser298) of human AZGP1 (Accession #P25311) fused with a 6xHis tag at the C-terminus.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

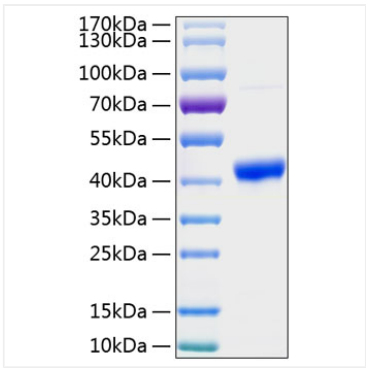
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## Validation Data

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Recombinant Human Zinc-alpha-2-glycoprotein/AZGP1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 42 kDa.