

For Research Use Only

# Recombinant Human Zinc Alpha 2 Glycoprotein protein (rFc Tag)



Catalog Number: Eg6736

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human Zinc Alpha 2 Glycoprotein protein Gln21-Ser298 (Accession# P25311) with a rabbit IgG Fc tag at the N-terminus.

**GeneID:**  
563

**Accession:**  
P25311

**Predicted Molecular Mass:**  
59.3 kDa

**SDS-PAGE:**  
60-75 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Zinc-alpha-2-glycoprotein (AZGP1) is a 41-kDa soluble protein normally found in body fluids, functions as a lipid mobilizing factor. It is known to be expressed in the secretory epithelia of the liver, lung, breast, GI tract and sweat glands, sharing significant structural similarity with the class I major histocompatibility complex (MHC) antigens. AZGP1 is involved in carcinogenesis and differentiation. Altered expression of AZGP1 has been reported in breast cancer, prostate cancer and lung adenocarcinoma, hepatocellular carcinoma, pancreatic carcinoma and oral tumors.

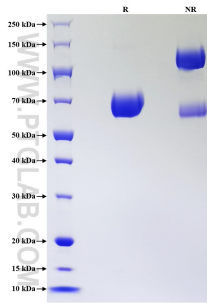
## References

- 1.Vanni, Holly et al. Chest vol. 135,5 (2009): 1197-1208.
- 2.Araki, T et al. Proceedings of the National Academy of Sciences of the United States of America vol. 85,3 (1988): 6
- 3.Huang, Yan et al. Journal of translational medicine vol. 10 106. 24 May. 2012

## Synonyms

AZGP1, Zinc-alpha-2-glycoprotein, ZA2G, ZAG, Zn alpha 2 glycoprotein

## Selected Validation Data



Purity of Recombinant Human Zinc Alpha 2 Glycoprotein was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.