

For Research Use Only

# Recombinant Human Alpha 1B-Glycoprotein protein (rFc Tag)



Catalog Number: Eg1510

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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## Technical Specifications

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

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

**Source:**  
HEK293-derived Human Alpha 1B-Glycoprotein protein Ala22-Ser495 (Accession# P04217-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
1

**Accession:**  
P04217-1

**Predicted Molecular Mass:**  
78.2 kDa

**SDS-PAGE:**  
80-100 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

Alpha-1B-glycoprotein (A1BG) is a plasma protein and is a member of the immunoglobulin superfamily. A1BG contains 474 amino acids and has 5 intrachain disulfide bonds. It has been reported that cysteine-rich secretory protein 3 (CRISP-3) is a specific and high-affinity ligand of A1BG. A1BG-CRISP-3 complex displays a similar function in protecting the circulation from a potentially harmful effect of free CRISP3. A1BG is a protein enriched in embryonic and adult female heart tissue.

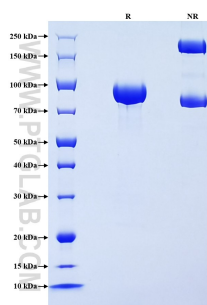
## References

- 1.Udby L, et al. (2004) Biochemistry. 43(40):12877-86.
- 2.Shi W, et al. (2021) Dev Cell. 56(21):3019-3034.e7.

## Synonyms

A1BG, A1B, ABG, alpha 1 B glycoprotein, Alpha 1B glycoprotein

## Selected Validation Data



Purity of Recombinant Human Alpha 1B-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

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