

# Recombinant Human APCS protein (His Tag)

Catalog Number: Eg0528

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
-------------------	-------------------	----------------------------	-----------------

## Technical Specifications

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

**Endotoxin Level:**  
<1.0 EU/ µg protein, LAL method

**Source:**  
HEK293-derived Human APCS protein His20-Val223 (Accession# P02743 ) with a His tag at the C-terminus.

**GeneID:**  
325

**Accession:**  
P02743

**Predicted Molecular Mass:**  
27.7 kDa

**SDS-PAGE:**

**Formulation:**  
Lyophilized from sterile 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

Serum Amyloid P component (SAP) is a 25 kDa pentameric protein that plays a crucial role in the humoral arm of innate immunity, involved in resistance to bacterial infection and regulation of inflammation. It is an acute-phase reactant, meaning its levels increase in response to inflammation or infection. SAP is also a key component of amyloid deposits in various amyloidosis disorders, making it a potential therapeutic target for these conditions. Additionally, SAP has been shown to bind to Fc γ receptors and opsonize particles for phagocytosis, highlighting its role in immune defense mechanisms.

## References

1. Wang, Haixia et al. Molecular immunology vol. 172 (2024): 1-8.

2. Doni,

## Synonyms

## **Selected Validation Data**

---

---

**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.**