

For Research Use Only

# Recombinant Human Serpin A4/Kallistatin protein (rFc Tag)



Catalog Number: Eg4707

## 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 Serpin A4 protein Gln21-Pro427 (Accession# P29622) with a rabbit IgG Fc tag at the N-terminus.

**GeneID:**

5267

**Accession:**

P29622

**Predicted Molecular Mass:**

73.6 kDa

**SDS-PAGE:**

70-90 kDa and 160-220 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

Serpina family A member 4 (SERPINA4), also known as KAL, KST, or kallistatin, was first identified as a tissue kallikrein-binding protein in the 1900s. SERPINA4 is a novel anti-angiogenesis agent, which exerts multiple effects on inflammation, angiogenesis, and tumor growth.

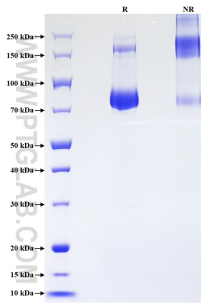
## References

1. Chao, J et al. The Journal of biological chemistry vol. 265,27 (1990): 16394-401.
2. Chao, J et al. The Biochemical journal vol. 239,2 (1986): 325-31.
3. Wang, Chrong-Reen et al. Arthritis and rheumatism vol. 52,4 (2005): 1319-24.

## Synonyms

Kallistatin, Serpin A4, KAL, Kallikrein inhibitor, KLST

## Selected Validation Data



Purity of Recombinant Human Serpin A4 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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