

For Research Use Only

# Recombinant Rat Serpin A12/Vaspin protein (rFc Tag)



Catalog Number: Eg3407

## Basic Information

**Species:**  
Rat

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

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

CHO-derived Rat Serpin A12 protein Leu21-Pro411 (Accession# Q8R4Z1) with a rabbit IgG Fc tag at the N-terminus.

**GeneID:**

191570

**Accession:**

Q8R4Z1

**Predicted Molecular Mass:**

72.3 kDa

**SDS-PAGE:**

68-85 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

SERPINA12 is also named as Serpin A12 and Visceral adipose tissue-derived serine protease inhibitor (Vaspin). Vaspin is an adipokine belonging to the serpin family, thus also named SERPINA12, with targets in kallikrein 7 and 14 that participates in skin desquamation. Vaspin is a compensatory molecule in obesity and insulin resistance. Vaspin is a newly described adipokine with an insulin sensitizing effect and inhibitory impact on food intake.

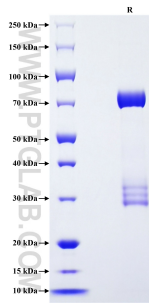
## References

1. Kurowska, Patrycja et al. Cells vol.10,71710.6Jul.2021
2. Wada,Jun. Expert opinion on investigational drugs vol.17,3(2008):327-33.
3. Hida, Kazuyukiet al. Proceedings of the National Academy of Sciences of the United States of America vol.102,3C 10610-5.
4. Klötting, N et al. Diabetologia vol.54,7(2011):1819-23.

## Synonyms

Serpin A12, Serpina12, Vaspin, Visceral adipose tissue-derived serine protease inhibitor, Visceral adipose-specific serpin

## Selected Validation Data



Purity of Recombinant Rat Serpin A12 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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