

For Research Use Only

# Recombinant Mouse Angiotensinogen protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2763

## Basic Information

**Species:**  
Mouse

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

**Tag:**  
rFc Tag

## Technical Specifications

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

**Endotoxin Level:**  
<0.1 EU/ µg protein, LAL method

**Source:**  
HEK293-derived Mouse Angiotensinogen protein Asp25-Val477 (Accession# P11859) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
11606

**Accession:**  
P11859

**Predicted Molecular Mass:**  
75.6 kDa

**SDS-PAGE:**  
70-85 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22 µm 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

Angiotensinogen is a precursor of angiotensin II (Ang II), is expressed and synthesized largely in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. AGT is an essential component of the RAS. AGT is cleaved by renin enzyme to produce angiotensin 1 (Ang I) when blood pressure is reduced, and AGT-converting enzyme (ACE) splits Ang I to generate angiotensin 2 (Ang II). RAS plays an important role in maintaining fluid and electrolyte homeostasis, and RAS irregular expression leads to kidney disease, heart failure, hypertension, and diabetes.

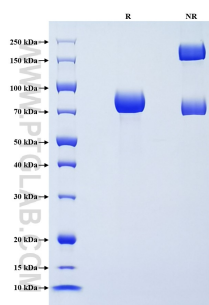
## References

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2. Lu H, et al. (2016). Hypertens Res. 39(7):492-500.
3. Li S, et al. (2021). Mol Med Rep. 23(3):193.
4. Wegman-Ostrosky T, et al. (2015). J Renin Angiotensin Aldosterone Syst. 16(2):227-33.
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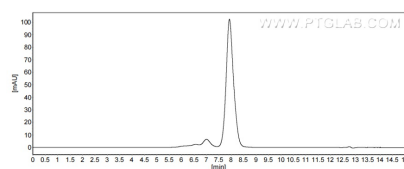
## Synonyms

Agt, Serpina8

## Selected Validation Data



Purity of Recombinant Mouse Angiotensinogen 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.



The purity of Mouse Angiotensinogen was greater than 90% as determined by SEC-HPLC.