

For Research Use Only

# Recombinant Rat t-Plasminogen activator/tPA protein (rFc Tag)



Catalog Number: Eg3260

## 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:**  
HEK293-derived Rat t-Plasminogen activator protein Ser33-Gln559 (Accession# P19637) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
25692

**Accession:**  
P19637

**Predicted Molecular Mass:**  
85.6 kDa

**SDS-PAGE:**  
28-32 kDa, 36-38 kDa and 60-70 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

Tissue - type plasminogen activator (tPA) is a secreted serine protease of the trypsin family that catalyzes the critical step in fibrinolysis. It activates the circulating enzyme plasminogen, which can breakdown insoluble fibrin in the thrombus into soluble fibrin degradation products (FDPs). As thrombolytic agents, plasminogen activators are widely used to clear circulatory blockages caused by fibrin clots or thrombus. Recombinant tissue plasminogen activator (r - tPA) has been approved by the US Food and Drug Administration as a clinical thrombolytic drug.

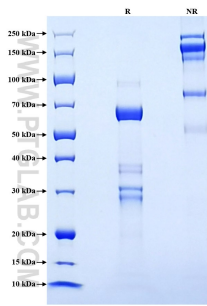
## References

1. Collen D. et al. (1991). Blood. 78:3114 - 3124.
2. Henderson SJ. et al. (2018). J Thromb Haemost. 16:1932 - 1940.
3. Prabhakaran S. et al. (2015). JAMA. 313:1451 - 1462.

## Synonyms

EC:3.4.21.68, Plat, Tissue-type plasminogen activator, Tissue-type plasminogen activator chain A, Tissue-type plasminogen activator chain B

## Selected Validation Data



Purity of Recombinant Rat t-Plasminogen activator 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

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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