

For Research Use Only

# Recombinant Mouse PR3/PRTN3 protein (rFc Tag)



Catalog Number: Eg2750

## Basic Information

**Species:**  
Mouse

**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 Mouse PR3 protein Ser28-Arg250 (Accession# Q61096) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
19152

**Accession:**  
Q61096

**Predicted Molecular Mass:**  
50.2 kDa

**SDS-PAGE:**  
50-60 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

PRTN3 is a serine protease secreted by cells of myeloid lineage and allocated to the cell surface of neutrophils and endothelial cells. PRTN3 is related to inflammatory processes. It triggers inflammatory processes in neutrophils by interacting with ADGRG3 upstream of F2RL1/PAR2 activation. PRTN3 expressed by neutrophils within the TME can be taken up by breast cancer and melanoma cells, which in turn increases the susceptibility to PR1-targeting therapies.

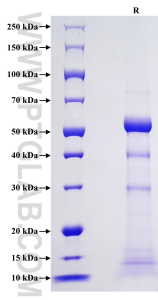
## References

1. Csernok, E et al. Clinical and experimental immunology vol. 95,2 (1994): 244-50.
2. Alatrash, Gheath et al. Journal of immunology (Baltimore, Md. : 1950) vol. 189,11 (2012): 5476-84.
3. Mayet, W J et al. Blood vol. 82,4 (1993): 1221-9.
4. Chu, Tai-Ying et al. Nature communications vol. 13,1 (2022): 6385.
5. Peters, Haley L et al. Cancer immunology research vol. 5,4 (2017): 319-329.

## Synonyms

EC:3.4.21.76, Myeloblastin, PR-3, Proteinase 3, Prtn3

## Selected Validation Data



Purity of Recombinant Mouse PR3 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

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.