

For Research Use Only

# Recombinant Rat Progranulin/PGRN protein (mFc Tag)



Catalog Number: Eg3240

## Basic Information

**Species:**  
Rat

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

**Tag:**  
mFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

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

**Source:**

HEK293-derived Rat Progranulin protein Thr18-Leu588 (Accession# P23785) with a mouse IgG Fc tag at the C-terminus.

**GeneID:**

29143

**Accession:**

P23785

**Predicted Molecular Mass:**

88.1 kDa

**SDS-PAGE:**

85-100 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

Progranulin, also known as Acrogranin, PCDGF, and Epithelin/Granulin Precursor, was first identified as a 593-aa secreted glycoprotein involved in the regulation of cancer progression and wound healing. It is a widely expressed glycoprotein that can undergo proteolysis to generate numerous Granulin peptides. Progranulin (PGRN) has been considered a growth factor-like molecule implicated in additional biological and pathological processes including early embryogenesis, inflammation, host defense, cartilage development and degradation.

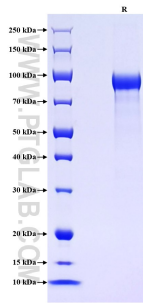
## References

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## Synonyms

Acrogranin, Epithelin precursor, Granulin precursor, Granulin-1, Granulin-2

## Selected Validation Data



Purity of Recombinant Rat Progranulin 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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