

For Research Use Only

# Recombinant Human G-CSFR protein (mFc Tag) (HPLC verified)



Catalog Number: Eg3882

## Basic Information

**Species:**  
Human

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

**Tag:**  
mFc Tag

## Technical Specifications

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

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

**Source:**  
HEK293-derived Human G-CSFR protein Glu25-Pro621 (Accession# Q99062-1) with a mouse IgG Fc tag at the C-terminus.

**GeneID:**  
1441

**Accession:**  
Q99062-1

**Predicted Molecular Mass:**  
93.2 kDa

**SDS-PAGE:**  
95-130 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

CSF3R, also known as G-CSFR, is a transmembrane protein called granulocyte colony-stimulating factor receptor, which provides proliferative signals for granulocytes and plays a crucial role in their proliferation and differentiation. CSF3R may also play an important regulatory role in solid tumors.

## References

1. Minglei Huang, et al. (2024). Cent Eur J Immunol. 49(2):155-168.
2. Ioannis Karagiannidis, et al. (2020). Cancers (Basel). 12(10):2868.
3. Ioannis Karagiannidis, et al. (2000). Front Immunol. 11:1885.

## Synonyms

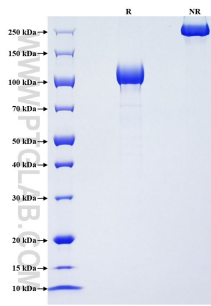
CD114, CSF3R, G CSF R, G CSF receptor, G-CSF receptor

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

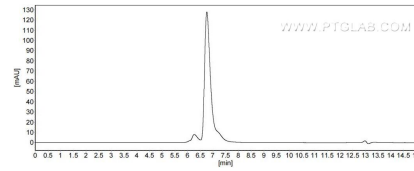
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## Selected Validation Data



Purity of Recombinant Human G-CSFR 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 Human G-CSFR was greater than 90% as determined by SEC-HPLC.