

For Research Use Only

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



Catalog Number: Eg3882

Basic Information

Species:
Human

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

Tag:
mFc Tag

Technical Specifications

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

Endotoxin Level:
<0.1 EU/ μ g 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 μ 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

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.

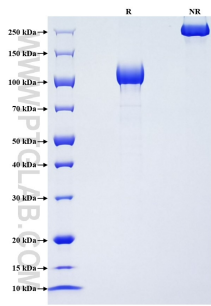
References

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.

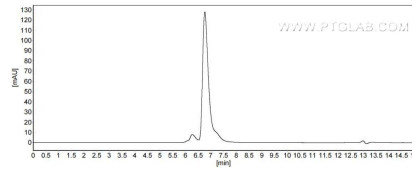
Synonyms

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

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.

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

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