

RP00270

Leader in Biomolecular Solutions for Life Science



Recombinant Human CSF3R/G-CSF-R/CD114 Protein

Catalog No.: RP00270

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	1441	Q99062

Tags

C-His

Synonyms

CSF3R;CD114;GCSFR;SCN7

Product Information

Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Background

Basic Information

Description

Recombinant Human CSF3R/G-CSF-R/CD114 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu25-Pro621) of human GCSF Receptor (Accession #NP_000751.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its ability to inhibit the GCSF-induced proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED₅₀ for this effect is typically 31.5-126 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

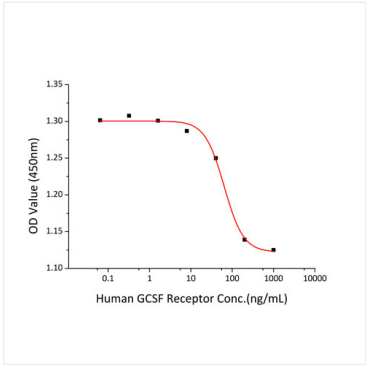
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Contact

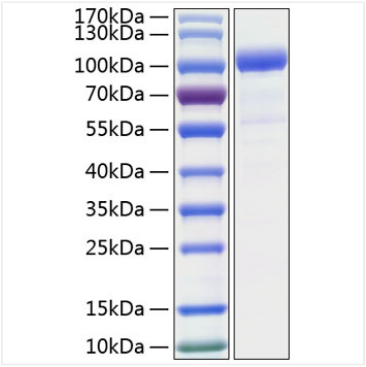


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Validation Data



Recombinant Human GCSF Receptor inhibits the GCSF-induced proliferation of M-NFS-60 mouse myelogenous leukemia lymphoblast cells. The ED_{50} for this effect is typically 31.5-126 ng/mL.



Recombinant Human CSF3R/G-CSF-R/CD114 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.