

Human G-CSFR/CD114 (His Tag) recombinant protein



Catalog Number: 504141

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 621) of human G-CSF receptor (NP_000751.1) precursor was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit the G-CSF induced proliferation of NFS60 mouse myeloid cells.

The ED₅₀ for this effect is typically 20-80 ng/mL.

Purity

> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 25

Molecular Mass

The mature recombinant human GCSFR consists of 608 amino acids and predicts a molecular mass of 68 kDa by SDS-PAGE under reducing conditions, the apparent molecular mass of rhGCSFR is approximately 92 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

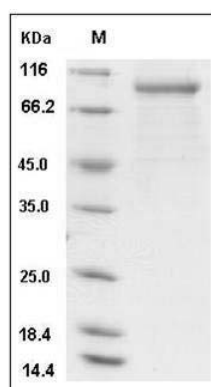
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human G-CSFR / CD114 Protein (His Tag) SDS-PAGE