

General Information

Protein Construction

The mature form of human G-CSF receptor (NP_000751.1) extracellular domain (Met 1-Pro 621) with five amino acids at the C-terminus was expressed and purified.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

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

The ED₅₀ for this effect is typically 2-8 µg/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 G-CSFR consists of 63 amino acids and predicts a molecular mass of 69.0 KDa. As a result of glycosylation, the apparent molecular mass of rhG-CSFR is approximately 94 KDa in SDS-PAGE under reducing conditions.

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

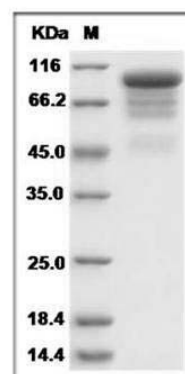
Store it under sterile conditions at -20°C to -80°C.

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 / CSF3R Protein SDS-PAGE