

## General Information

### Gene Name Synonym

Pluripoietin

### Protein Construction

A DNA sequence encoding the human GCSF isoform b (NP\_757373.1) (Ala30-Pro204) was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in a cell proliferation assay using NFS-60 mouse myelogenous leukemia lymphoblast cells.

The ED<sub>50</sub> for this effect is typically 0.04-0.2 ng/mL.

### Purity

> 95 % 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

Ala 30

### Molecular Mass

The recombinant human GCSFb consists of 175 amino acids and has a calculated molecular mass of 18.7 kDa. It migrates as an approximately 17.8 kDa protein 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

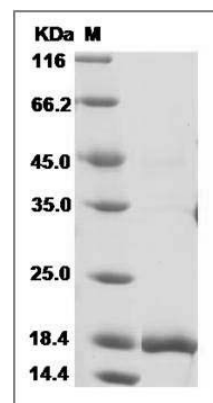
Store it under sterile conditions at -20°C to -80°C.

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-CSF / CSF3 Protein (isoform b) SDS-PAGE