

Human G-CSF (Fc Tag) recombinant protein



Catalog Number: 503040

General Information

Gene Name Synonym

Pluripoietin

Protein Construction

A DNA sequence encoding the mature form of human GCSF isoform b (NP_757373.1) (Ala 30-Pro 204) was fused with the Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured in a cell proliferation assay using a murine myeloblastic cell line, NFS-60. The ED₅₀ for this effect is typically 0.2-0.8 ng/ml.

Purity

> 97 % 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 20

Molecular Mass

The recombinant mature human GCSFb/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 412 amino acids and has a calculated molecular mass of 45.4 kDa. As a result of glycosylation, the rh GCSFb/Fc monomer migrates as an approximately 48 kDa protein in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

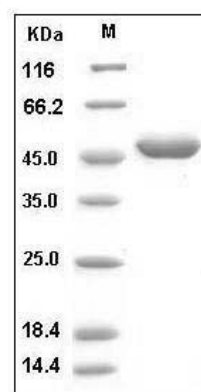
Storage

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 (Fc Tag) SDS-PAGE