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

Catalog Number: 500130

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 expressed with the fused Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit the GCSF-induced proliferation of NFS-60 mouse myeloid cells. The ED_{50} for this effect is typically 1-4 ng/ml in the presence of 0.125 ng/ml of recombinant human GCSF.

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℃

Predicted N terminal

Glu 25

Molecular Mass

The mature recombinant human G-CSFR/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 835 amino acids and predicts a molecular mass of 93.3 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rh GCSFR/Fc monomer is approximately 120-130 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

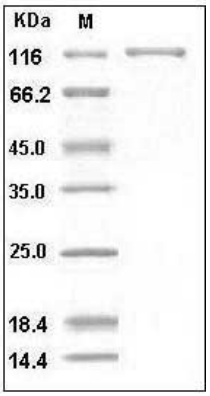
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 (Fc Tag) SDS-PAGE