Human CD116/GM-CSFR (His Tag) recombinant protein

Catalog Number: 502602

General Information

Gene Name Synonym

CDw116

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gly 320) of human GM-CSFR? (P15509-1) was expressed with the C-terminal fused polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit GM-CSF dependent proliferation of TF-1 human erythroleukemic cells. The ED_{50} for this effect is typically 3-5 μg/ml.

Purity

> 90 % 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 23

Molecular Mass

The recombinant human GM-CSFR? consists of 309 amino acids and has a predicted molecular mass of 36 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh GM-CSFR? is approximately 60-65 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

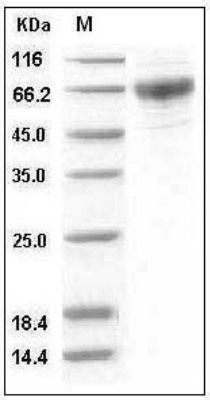
Storage

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 CSF2RA / GM-CSFR / CD116 Protein (His Tag) SDS-PAGE