

Rat GM-CSF / CSF2 (His Tag) recombinant protein



Catalog Number: 502167

General Information

Gene Name Synonym

Colony-stimulating factor

Protein Construction

A DNA sequence encoding the rat CSF2 (P48750) (Ala18-Lys144) was expressed with a polyhistidine tag at the N-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured in a cell proliferation assay using FDC-P1 cells.
The ED₅₀ for this effect is typically 0.02-0.1 ng/mL.

Purity

(32.5+65.6) % 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

His

Molecular Mass

The recombinant rat CSF2 comprises 147 amino acids and has a predicted molecular mass of 16.9 kDa. The apparent molecular mass of the protein is approximately 23 and 20 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

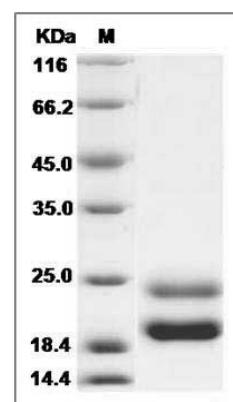
Storage

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



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