# Mouse GM-CSF / CSF2 (Fc Tag) recombinant protein

Catalog Number: 504034



## **General Information**

#### Gene Name Synonym

Colony-stimulating factor

## **Protein Construction**

A DNA sequence encoding the mouse CSF2 (P01587) (Ala18-Lys141) was was expressed with the fused Fc region of human IgG1 at the Nterminus.

#### Organism

Mouse

## **Expression Host**

Human Cells

# **QC Testing**

## Activity

Measured in a cell proliferation assay using FDC-P1 cells.

The  $ED_{50}$  for this effect is typically 0.02-0.1 ng/mL.

## Purity

> 95 % as determined by SDS-PAGE

## Endotoxin

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

## Stability

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\mathrm{C}$ 

## **Predicted N terminal**

Glu

#### **Molecular Mass**

The recombinant mouse CSF2/Fc comprises 384 amino acids and has a predicted molecular mass of 42.5 kDa. The apparent molecular mass of the protein is approximately 44-52 kDa in SDS-PAGE under reducing conditions 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**

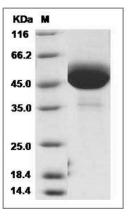
#### Storage

Store it under sterile conditions at -20°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**



Mouse GM-CSF / CSF2 Protein (Fc Tag) SDS-PAGE