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

Catalog Number: 503125



## **General Information**

#### Gene Name Synonym

Colony-stimulating factor

#### **Protein Construction**

A DNA sequence encoding the mouse CSF2 (P01587) (Ala18-Lys141) was expressed with a polyhistidine tag at the N-terminus.

#### **Organism**

Mouse

## **Expression Host**

**Human Cells** 

# **QC Testing**

#### Activity

Measured in a cell proliferation assay using FDC-P1 cells

The ED<sub>50</sub> for this effect is typically 0.04-0.2 ng/mL.

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  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°C

#### Predicted N terminal

His

#### Molecular Mass

The recombinant mouse CSF2 consists of 144 amino acids and predicts a molecular mass of 16.5 KDa. It migrates as an approximately 23 KDa band 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**

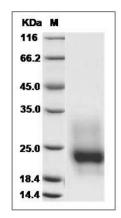
## **Storage**

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**



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