# Recombinant Mouse GM-CSF Protein,His Tag

## 产品信息

| 产品名称 | 产品编号 | 规格 |
|---|---|---|
| Recombinant Mouse GM-CSF Protein,His Tag | 91115ES10 | 10 μg |
| | 91115ES60 | 100 μg |
| | 91115ES76 | 500 μg |

## 产品简介

GM-CSF is a powerful growth and differentiation factor which acts on hematopoietic progenitor cells and also activates differentiated granulocytes and macrophages.

## 性能参数

| | |
|---|---|
| **Synonyms** | Granulocyte-Macrophage Colony-Stimulating Factor, GM-CSF, CSF-2, MGI-1GM, Pluripoietin-α |
| **Uniprot No.** | P01587 |
| **Source** | Recombinant Mouse GM-CSF Protein is expressed from Yeast with N-HIS. It contains Ala18-Lys141. |
| **Molecular Weight** | The recombinant mouse GM-CSF comprises 124 amino acids and has a predicted molecular mass of 14.1 kDa. |
| **Purity** | > 95% as determined by SDS-PAGE. |
| **Endotoxin** | <1 EU per 1μg of the protein by the LAL method. |
| **Formulation** | Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4,with 1%BSA. |
| **Reconstitution** | 1. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile PBS, pH 7.4, with 0.1% BSA to a concentration of 0.1-1.0 mg/mL.<br>2. Stock solutions should be apportioned into working aliquots and stored at ⩽ -20 °C.<br>3. Further dilutions should be made in PBS, which must contain carrier proteins, such as 0.1% BSA, 10% FBS, 5% HSA, 5% trehalose, one of four options. 5% trehalose is recommended for experimental culture without serum. |

## 储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2 ~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

## 注意事项

1.Please operate with lab coats and disposable gloves,for your safety.

2.This product is for research use only.

## 产品数据

SDS-PAGE

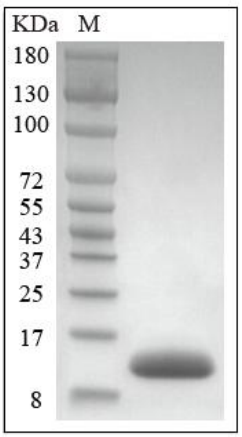


Figure 1. Mouse GM-CSF Protein on SDS-PAGE under reduced condition. The purity is greater

Biological Activity

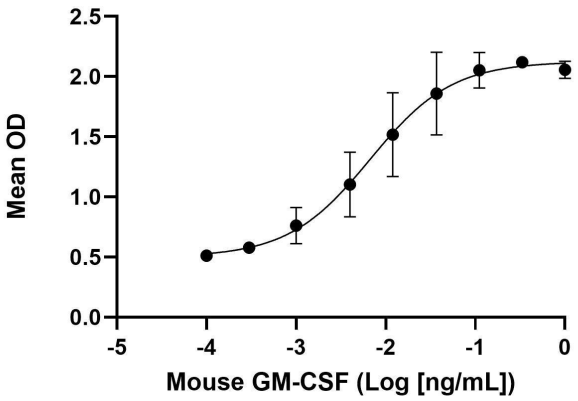


Figure 2.The $ED_{50}$ as determined by a cell proliferation assay using murine FDC-P1 cells is 2.79-12.84 pg/mL.