

# Human CSF2 recombinant protein (Native)



Catalog Number: 514746

## General Information

### Gene Name Synonym

GM-CSF; Colony-stimulating factor; CSF; Molgramostin; Sargramostim

### Protein Construction

A DNA sequence encoding human GMCSF (NP\_000749.2) (Met1-Glu144) was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 10 EU per mg 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

Ala 18

### Molecular Mass

The recombinant human GMCSF consists of 127 amino acids and predicts a molecular mass of 14.5 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
2. Please contact us for any concerns or special requirements.

## Usage Guide

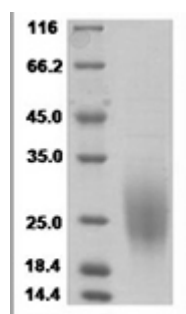
### Storage

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

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



Human GM-CSF/CSF2 Protein 15484