

# Mouse Oncostatin M/OSM (His Tag) recombinant protein



Catalog Number: 502148

## General Information

### Protein Construction

A DNA sequence encoding the mature form of mouse OSM (P53347) (Met 1-Arg 206) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The ED<sub>50</sub> for this effect is typically 50-200 ng/mL.
2. Measured in a cell proliferation assay using NIH3T3 cells. The ED<sub>50</sub> for this effect is typically 0.8-4 ng/mL.

### Purity

> 95 % 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

Asn 25

### Molecular Mass

The secreted recombinant mouse OSM comprises 193 amino acids and has a calculated molecular mass of 22 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 35-40 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

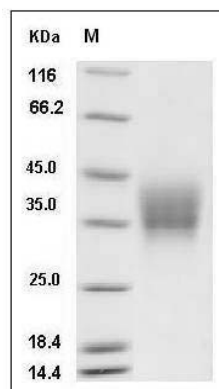
### Storage

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



Mouse Oncostatin M / OSM Protein (His Tag) SDS-PAGE