Catalog Number: 503175



# **General Information**

#### **Protein Construction**

A DNA sequence encoding the mouse OSM (P53347) (Ala24-Arg206) was expressed with an initial Met at the N-terminal.

### Organism

Mouse

# **Expression Host**

E. coli

# **QC Testing**

#### Activity

1. Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The  $ED_{50}$  for this effect is typically 10-50 ng/mL. 2. Measured in a cell proliferation assay using NIH3T3 cells. The  $ED_{50}$  for this effect is typically 0.6-3 ng/mL.

# Purity

> 95 % as determined by SDS-PAGE

# Endotoxin

Please contact us for more information.

# Stability

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

# **Predicted N terminal**

Met

#### **Molecular Mass**

The recombinant mouse OSM consists of 184 amino acids and predicts a molecular mass of 20.7 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**

KDa	M
116	uluar?
66.2	-
45.0	-
35.0	-
25.0	
18.4	-
14.4	-

Mouse Oncostatin M / OSM Protein SDS-PAGE