

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 ED₅₀ for this effect is typically 50-200 ng/mL.
2. Measured in a cell proliferation assay using NIH3T3 cells. The ED₅₀ 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

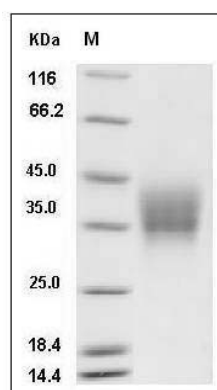
Storage

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



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