

Human Oncostatin M/OSM (His Tag) recombinant protein



Catalog Number: 501057

General Information

Protein Construction

A DNA sequence encoding the mature form of human OSM (P13725) (Met 1-Arg 221) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human OSM-His (Cat: 501057) at 10 µg/ml (100 µl/well) can bind biotinylated human LIFR-His (Cat: 501711) with a linear range of 0.031-0.5 µg/ml.
2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED₅₀ for this effect is typically 0.5-2.5 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

Ala 26

Molecular Mass

The recombinant human OSM consists of 207 amino acids and has a predicted molecular mass of 23.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhOSM is approximately 32-35 kDa due to glycosylation.

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

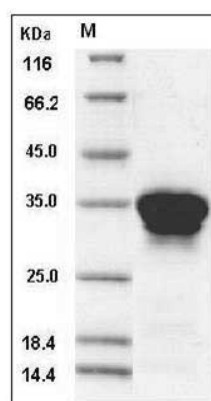
Storage

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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