

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant OSM, Mouse(HEK 293-expressed)

Catalog Number: BK0326-10µg

Source: HEK 293

Quantity: 10µg

### Description:

Oncostatin-M, also known as OSM, is a growth regulator belonging to the interleukin-6 group of cytokines. It is expressed mainly by monocytes, activated T cells and Kaposi's sarcoma cells. OSM signals through two types of receptors; one is composed of gp130 and LIFR, and the other is composed of gp130 and OSMR. OSM regulates IL-6, G-CSF and GM-CSF production, and thus is involved in hematopoiesis, neurogenesis and osteogenesis. OSM displays both stimulatory and inhibitory effects, so its categorization as pro-inflammatory or anti-inflammatory cytokine is still controversial.

### Molecular Weight:

10-40 kDa, observed by reducing SDS-PAGE.

### Purity:

> 95% as analyzed by SDS-PAGE and HPLC.

### Biological Activity:

ED50 < 0.4 ng/ml, measured in a cell proliferation assay using NIH-3T3 cells.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

ANRGCSNSSSQLLSQLQNQANLTGN-  
TESLLEPYIRLQNLNTPDLRAACTQHSVAFPS  
EDT  
LRQLSKPHFLSTVYT-  
TLDRVLYQLDALRQKFLKTPAFP  
KLD SARHNIL-  
GIRNNVFCMARLLNHSLEIPEP-  
TQTDSGASRSTTTPDVFN  
TKIGSCGFLWGY-  
HRFMGSVGRVFREWDDGSTRSRR

### Endotoxin:

< 0.2 EU/µg, determined by LAL method.

### Reconstitution:

Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

### Storage:

Lyophilized recombinant Murine Oncostatin-M remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Murine Oncostatin-M should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

### Usage:

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