

## Active Recombinant Human OSM Protein, Animal Free

Cat. No. OSM-43H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human OSM Protein without tag was expressed in Human cells. Animal Free and Xeno Free                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Oncostatin M (OSM) is a 30 kDa secreted cytokine belonging to the Interleukin 6 family. OSM inhibits the proliferation of a number of tumor cell lines. It also stimulates proliferation of AIDS-KS cells. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. OSM plays crucial roles in inflammation, neuroprotection, hematopoiesis, metabolism and development. |
| <b>Bio-activity</b>     | The activity was measured by its ability to stimulate the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 30 kDa homotrimer                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>        | <0.5 EU/ µg                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | High Purity, >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Stability</b>        | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80                                                                                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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**Storage Buffer** Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

**Reconstitution** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

## GENE INFORMATION

**Gene Name** OSM oncostatin M [ Homo sapiens (human) ]

**Official Symbol** OSM

**Synonyms** OSM; oncostatin M; oncostatin-M; MGC20461;

**Gene ID** 5008

**mRNA Refseq** NM\_020530

**Protein Refseq** NP\_065391

**MIM** 165095

**UniProt ID** P13725

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