

Bioactive

## OSM (Human) Recombinant Protein

Catalog # P8995

Size 2 x 10 ug

### Specification

|                      |                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Human OSM (P13725) recombinant protein expressed in <i>Escherichia coli</i> .                                                                                                                                             |
| Sequence             | AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLDPYIRIQGLDVPKLRHCRERPGAFPSEETLRGLG<br>RRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCAQLL<br>DNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYHRFMHSVGRVFKWGESPNSR<br>RHSPHQALRKGVRR. |
| Host                 | <i>Escherichia coli</i>                                                                                                                                                                                                   |
| Theoretical MW (kDa) | 23.9                                                                                                                                                                                                                      |
| Form                 | Lyophilized                                                                                                                                                                                                               |
| Preparation Method   | <i>Escherichia coli</i> expression system                                                                                                                                                                                 |
| Purity               | > 97% by HPLC and SDS PAGE                                                                                                                                                                                                |
| Activity             | The ED <sub>50</sub> as determined by the dose-dependant stimulation of Human TF-1 cells is < 2 ng/mL, corresponding to a Specific Activity of 500,000 IU/mg.                                                             |
| Storage Buffer       | 1x PBS pH-7.4.                                                                                                                                                                                                            |
| Storage Instruction  | Store, frozen at -20°C for longer periods of time.<br>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).<br>Avoid multiple freeze-thaw cycles.                                           |

### Applications

- Functional Study
- SDS-PAGE

## Gene Info — OSM

**Entrez GeneID** [5008](#)**Protein Accession#** [P13725](#)**Gene Name** OSM**Gene Alias** MGC20461**Gene Description** oncostatin M**Omim ID** [165095](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. [provided by RefSeq]

**Other Designations** -

## Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)