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# 32-1648: mOSM Recombinant Protein

**Alternative Name :** Oncostatin-M,OSM,OncoM.

## Description

Source : Escherichia Coli. OSM Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 181 amino acids and having a molecular mass of 20.4kDa.The OSM is purified by proprietary chromatographic techniques. 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.

## Product Info

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| **Amount :** | 10 µg |
| **Purification :** | Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE. |
| **Content :** | OSM protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4. |
| **Storage condition :** | Lyophilized Oncostatin M although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Oncostatin should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles. |
| **Amino Acid :** | NRGCSNSSSQ LLSQLQNQAN LTGNTESLLE PYIRLQNLNT PDLRAACTQH SVAFPSEDTL RQLSKPHFLS TVYTTLDRVL YQLDALRQKF LKTPAFPKLD SARHNILGIR NNVFCMARLL NHSLEIPEPT QTDSGASRST TTPDVFNTKI GSCGFLWGYH RFMGSVGRVF REWDDGSTRS R. |

## Application Note

It is recommended to reconstitute the lyophilized Oncostatin M in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependent stimulation of the proliferation of NIH-3T3 mouse embryonic fibroblast cells is < 1 ng/ml, corresponding to a specific activity of > 1.0Ã□â□□106 units/mg.