

## 32-1649: rOSM Recombinant Protein

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

### Description

Source : Escherichia Coli. OSM Rat Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 214 amino acids and having a molecular mass of 24.3kDa. 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

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	OSM protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	KRGCSSSSPK LLSQLKSQAN ITGNTASLLE PYILHQLNLT LTLRAACTEH PVAFPSDML RQLSKPDFLS TVHATLGRVW HQLGAFRQQF PKIQDFPELE RARQNIQGIR NNVYCMARLL HPPLEIPEPT QADSGTSRPT TTAPGIFQIK IDSCRFLWGY HRFMGSVGRV FEEWGDGSRR SR RHSPLWAW LKGDHRIRPS RSSQSAMLRS LVPR.

### Application Note

It is recommended to reconstitute the lyophilized Oncostatin M in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100 $\Omega$ µg/ml, which can then be further diluted to other aqueous solutions. The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of rat C6 cells is < 5.0  $\Omega$ µg/ml, corresponding to a specific activity of > 200 units/mg.