

# Rat OSM Recombinant Protein



RPPB0827

## Product Information Protein Information

### Product SKU:

RPPB0827

### Accession:

Q65Z15

### Host:

Escherichia Coli.

### Protein description:

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.

### Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Synonyms:

Oncostatin-M, OSM, OncoM.

### Formulation:

OSM protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.

### Purity:

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

### Solubility:

It is recommended to reconstitute the lyophilized Oncostatin M in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

### Stability:

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 Sequence:

KRGCS SSPK LLSQLKSQAN ITGNTASLLE PYILHQNLT LTLRAACTEH PVAFPSEDML RQLSKPDFLS  
TVHATLGRVW HQLGAFRQQF PKIQDFPELE RARQNIQGIR NNVYCMARLL HPPLEIPEPT QADSGTSRPT  
TTAPGIFQIK IDSCRFLWGY HRFMGSVGRV FEEWGDGSRR SR R HSPLWAW LKGDHHRIPS RSSQSAMLRS  
LVPR.

### Biological Activity:

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of rat C6 cells is < 5.0 µg/ml, corresponding to a specific activity of > 200 units/mg.