

# Mouse OSM Recombinant Protein



RPPB0826

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## Product Information    Protein Information

**Product SKU:**

RPPB0826

**Accession:**

P53347

**Host:**

Escherichia Coli.

**Protein description:**

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.

**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:**

NRGCSNSSSQ LLSQLQNQAN LTGNTESLLE PYIRLQNLNT PDLRAACTQH SVAFPSEDTL RQLSKPHFLS  
TVYTTLDRVL YQLDALRQKF LKTPAFPCLD SARHNILGIR NNVFCMARLL NHSLEIPEPT QTDSGASRST  
TTPDVFNKTI GSCGFLWGYH RFMGSVGRVF REWDDGSTRS R.

**Biological Activity:**

The ED<sub>50</sub> 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 > 1.0×10<sup>6</sup> units/mg.