

Oncostatin-M Mouse Recombinant

Item Number	rAP-2390
Synonyms	Oncostatin-M, OSM, OncoM.
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.
Uniprot Accession Number	P53347
Amino Acid Sequence	NRGCSNSSSQ LLSQLQNQAN LTGNTESLLE PYIRLQNLNT PDLRAACTQH SVAFPSEDTL RQLSKPHFLS TVYTTLDRLV YQLDALRQKF LKTPAFPKLD SARHNILGIR NNVFCMARLL NHSLEIPEPT QTDSGASRST TTPDVFNTKI GSCGFLWGYH RFMGSVGRVF REWDDGSTRS R.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	OSM protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Oncostatin M in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ 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 ⁶ units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**