

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

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 :	KRGCSSSSPK LLSQLKSQAN ITGNTASLLE PYILHQNLNT LTLRACTEHPVAFPSEDML 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 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The ED₅₀ 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.

