

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

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| 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 : | KRGCSSSPK LLSQLKSQAN ITGNTASLLE PYILHQLNLT LTLRAACTEH PVAFPSEDML RQLSKPDFLS TVHATLGRVW HQLGAFRQQF PKIQDFPELE RARQNIQIR 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.

