

32-1645: OSM (195 a.a.) Recombinant Protein

Alternative Name : OSM,MGC20461,Oncostatin M.

Description

Source : Escherichia Coli. Oncostatin-M Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 195 amino acids and having a molecular mass of 22kDa. 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 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a concentrated (1mg/ml) solution containing 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 :	AAIGSCSKEY RVLLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLREHCR ERPGAFPSEE TLRGLGRRGF LQTLNATLGC VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARNILG LRNNIYCMAQ LLDNSDTAEP TKAGRGASQP PTTPASDAF QRKLEGCRFL HGYHRFMHSV GRVFSKWGES PNRSR.

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 human TF-1 cells is < 0.2ng/ml, corresponding to a specific activity of > 5.0x10⁶ units/mg.

