

Human OSM Recombinant Protein



RPPB0824

Product Information Protein Information

Product SKU:

RPPB0824

Accession:

P13725

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

OSM, MGC20461, Oncostatin M.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution containing 1xPBS pH-7.4.

Purity:

Greater than 97.0% 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 H₂O 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:

AAIGSCSKEY RVLLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLRHCR ERPGAFPSEE TLRGLGRRGF
LQTLNATLGC VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARPNILG LRNNIYCMAQ LLDNSDTAEP
TKAGRGASQP PTPPASDAF QRKLEGCRFL HGYHRFMHSV GRVFSKWGES PNRSR.

Biological Activity:

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.