
Product Data Sheet

Product Name: OSM Human, 209 a.a
Cat. No.: GP20802
Batch No.: 1

Product Data

Purity >98% Source
Physical Appearance solid Shipping Condition

Synonyms OSM; MGC20461; Oncostatin M.

Amino Acid Sequence AAIGSCSKEYRVLLGQLKQKTDLMQDTSRLDPYIRIQGLDVPKLRHCRERPGAFPSEETLRGLGRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLER

Solubility It is recommended to reconstitute the lyophilized Oncostatin-M (209 a.a.) in sterile 18MΩ-cm H₂O not less than 100µg/ml, which ce
FormulationOncostatin-M (209 a.a.) was lyophilized from a concentrated (1mg/ml) solution containing 1x PBS pH-7.4.

Introduction

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.

Biological Activity

The ED₅₀ as determined by the dose-dependant stimulation of Human TF-1 cells is < 2 ng/ml, corresponding to a Specific Activity of 500,000 IU/mg.

Stability

Lyophilized Oncostatin-M (209 a.a.) although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Oncostatin-M (209 a.a.) 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.

Background

Oncostatin-M (209 a.a.) Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 209 amino acids and having a molecular mass of 23.9kDa. The Oncostatin-M (209 a.a.) is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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