9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

OSM Rat

Oncostatin-M Rat Recombinant
GRF0298

Product Overview

Name	OSM Rat

Description

Oncostatin-M Rat Recombinant

Accession (Primary)	Q65Z15

Synonyms

Oncostatin-M, OSM, OncoM.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

OSM protein was lyophilized from a 0.2 μm filtered concentrated solution in 1xPBS, pH 7.4.

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.

Purity

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

KRGCSSSSPK LLSQLKSQAN ITGNTASLLE PYILHQNLNT LTLRAACTEH PVAFPSEDML RQLSKPDFLS TVHATLGRVW HQLGAFRQQF PKIQDFPELE RARQNIQGIR NNVYCMARLL HPPLEIPEPT QADSGTSRPT TTAPGIFQIK IDSCRFLWGY HRFMGSVGRV FEEWGDGSRR SR RHSPLWAW LKGDHRIRPS RSSQSAMLRS LVPR.

Biological Activity

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Solubility

It is recommended to reconstitute the lyophilized Oncostatin M in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

OSM Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q65Z15)