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

OSM Human, 209 a.a

Oncostatin M Human Recombinant (209 a.a.)
GRF0295

Product Overview

Name	OSM Human, 209 a.a
Description	
Oncostatin M Human Recombinant (209 a.a.)	
Accession (Primary)	P13725
Synonyms	
OSM, MGC20461, Oncostatin M.	
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	
Oncostatin-M (209 a.a.) was lyophilized from a concentrated (1mg/ml) solution containing 1x PBS pH-7.4.	
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.	
Purity	
Greater than 97.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLREHCRERPG AFPSEETLRGLGRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDL EKLQMARPNILGLRNNIYCMAQLLDNSDTAEPTKAGRGASQPPTPTPASDAFQ RKLEGCRFLHGYHRFMHSVGRVFKWGESPNRSRRHSPHQALRKGVRR.	

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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.

Solubility

It is recommended to reconstitute the lyophilized Oncostatin-M (209 a.a.) in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

OSM Human, 209 a.a is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P13725)