Active Recombinant Human OSM Protein

Cat. No. OSM-220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OSM Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Oncostatin M is a cytokine that is produced by macrophages, dendritic cells, and T lymphocytes during inflammatory events. The Type-I and Type-II Oncostatin M receptors are located on the cell surface of endothelial and tumor cells, contain the glycoprotein 130 (gp130) subunit, and activate the JAK/STAT signaling pathway. Oncostatin M functions to inhibit tumor cell proliferation, induce liver stem cell maturation, regulate cytokine production during hematopoiesis and inflammation, stimulate bone formation, and promote nervous system development.
Bio-activity	TF-1 cell proliferation, ≤4 ng/mL
Molecular Mass	Monomer, 23.8 kDa (210 aa)
AA Sequence	MAAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLREHCRERPGAF PSEETLRGLGRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQM ARPNILGLRNNIYCMAQLLDNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFL HGYHRFMHSVGRVFSKWGESPNRSRRHSPHQALRKGVRR
Endotoxin	≤1 EUs/μg, Kinetic LAL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	OSM oncostatin M [Homo sapiens (human)]
Official Symbol	OSM
Synonyms	OSM; oncostatin M; oncostatin-M; MGC20461;
Gene ID	5008
mRNA Refseq	NM_020530

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_065391
MIM	165095
UniProt ID	P13725

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA