

## 32-12268: Human Oncostatin M (AF)

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 23.8 kDa (210 aa)

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.

### Product Info

<b>Amount :</b>	10 µg / 100 µg
<b>Purification :</b>	Reducing and Non-Reducing SDS PAGE at $\geq 95\%$
<b>Content :</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 Sterile water at 0.1 mg/mL
<b>Storage condition :</b>	Store at $-20^{\circ}\text{C}$
<b>Amino Acid :</b>	MAAIGSCSKEA YRVLLGQLQKQ QTDLMQDTSRA LLDPYIRIQGA LDVPKLREHCA RERPGAFPSEA ETLRG LGRRGFLQTLNATLGCVLHRLADLEA QRLPKAQDLEA RSLNIEDLEA KLQMARPNILA GLRNNIYCMAA QLLDNSDTAEA PTKAGRGASQA PPTPTASDA FQRKLEGCRFLHGYHRFMHSA VGRVFSKWGEA SPNRS RRHSPA HQALRKGVR

### Application Note

**Endotoxin:** Less than 0.1 ng/ $\mu\text{g}$  (1 IEU/ $\mu\text{g}$ ) as determined by LAL test.

Biological Activity was determined by TF-1 cell proliferation at  $\leq 4$  ng/mL;  $\geq 2.5 \times 10^5$  units/mg. (typical ED50 is  $< 0.5$  ng/mL). 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  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



