

DATASHEET
Version 20181206**OSM, Mouse(HEK 293-expressed)****Cat. No.:** Z03167-10**Size:** 10.0 ug**Synonyms:** OSM**Description:**

Oncostatin-M, also known as OSM, is a growth regulator belonging to the interleukin-6 group of cytokines. It is expressed mainly by monocytes, activated T cells and Kaposi's sarcoma cells. OSM signals through two types of receptors; one is composed of gp130 and LIFR, and the other is composed of gp130 and OSMR. OSM regulates IL-6, G-CSF and GM-CSF production, and thus is involved in hematopoiesis, neurogenesis and osteogenesis. OSM displays both stimulatory and inhibitory effects, so its categorization as pro-inflammatory or anti-inflammatory cytokine is still controversial.

Amino Acid Sequence:

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00001 ANRGCSNSS QLLSQLQNQA NLGNTESLL EPYIRLQNLN
00041 TPDLRAACTQ HSAFPSEDT LRQLSKPHFL STVYTTLDRV
00081 LYQLDALRQK FLKTPAFPKL DSARHNILGI RNNVFCMARL
00121 LNHSLEIPEP TQTDGASRS TTPDVFNK IGSCGFLWGY
00161 HRFMGVGRV FREWDDGSTR SRR
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Source: HEK 293**Species:** Mouse**Biological Activity:** ED₅₀ < 0.4 ng/ml, measured in a cell proliferation assay using NIH-3T3 cells.**Molecular Weight:** 10-40 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH₂O or PBS at 100 µg/ml.**Purity:** > 95% as analyzed by SDS-PAGE and HPLC.**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.**Storage:** Lyophilized recombinant Murine Oncostatin-M remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Murine Oncostatin-M should be stable up to 1 week at 4°C or up to 2 months at -20°C.