

Product Datasheet

Recombinant OSM, Mouse (HEK293-expressed) (orb1494628)

Catalog Number	orb1494628
Category	Proteins
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.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Buffer/Preservatives	Lyophilized after extensive dialysis against PBS.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Purification	> 95% as analyzed by SDS-PAGE and HPLC.
Protein Sequence	ANRGCSNSSSQLLSQLQNQANLTGNTESLLEPYIRLQNLNTPDLRAACTQHSVAFPSEDTL RQLSKPHFLSTVYTTLDRV LYQLDALRQKFLKTPAFPKLDSARHNILGIRNNVFCMARLLNHSLEIPEPTQTDSGASRSTTT PDVFNTKIGSCGFLWGY HRFMGSVGRVFREWDDGSTRSRR
MW	10-40 kDa, observed by reducing SDS-PAGE.
Application notes	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxins	0.2 EU/µg, determined by LAL method.
Source	HEK 293

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Biological Activity

ED50 0.4 ng/ml, measured in a cell proliferation assay using NIH-3T3 cells.

Storage

Lyophilized recombinant Murine Oncostatin-M remains stable up to 6 months at -80°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.

Note

For research use only

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