

OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES

Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com AR20004PU-N

OriGene EU

Acris Antibodies GmbH

Schillerstr. 5 32052 Herford GERMANY

Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

Rat Oncostatin-M

Alternate names: OSM, Oncostatin M, Oncostatin-M

Catalog No.: AR20004PU-N

Quantity: 10 μg

Background: Oncostatin M (OSM) is a growth and differentiation factor that participates in the regulation

of neurogenesis, osteogenesis and hematopoiesis. Produced by activated T cells, monocytes and Kaposi's sarcoma cells, OSH can exert both stimulatory and inhibitory effects on cell proliferation. It stimulates the proliferation of fibroblasts, smooth muscle cells and Kaposi's sarcoma cells, but, inhibits the growth of some normal and tumor cell lines. It also promotes cytokine release (e.g. IL-6, GM-CSF and G-CSF) from endothelial cells, and enhances the expression of low-density lipoprotein receptor in hepatoma cells. OSM share several structural and functional characteristics with LIF, IL-6, and CNTF. Human

OSM is active on murine cells.

Uniprot ID: Q65Z15

NCBI: NP 001006962

GeneID: 289747
Species: Rat
Source: E. coli

Format: State: Lyophilized (0.2 µm Sterile filtered) purified protein with no additives.

Purity: >98% pure by SDS-PAGE and HPLC analyses. Endotoxin Level: < 0.1 ng/µg of Oncostatin M (< 1EU/µg).

Reconstitution: Restore in water to a concentration of 0.1-1.0 mg/ml.

This solution can then be diluted into other aqueous buffers and stored at 2-8°C for 1 week

or -20°C for future use.

Description: Recombinant Rat Oncostatin M is a 24.4 kDa protein, containing 215 amino acid residues

AA Sequence:

MKRGCSSSSP KLLSQLKSQA NITGNTASLL EPYILHQNLN TLTLRAACTE HPVAFPSEDM LRQLSKPDFL STVHATLGRV WHQLGAFRQQ FPKIQDFPEL ERARQNIQGI RNNVYCMARL LHPPLEIPEP TQADSGTSRP

TTTAPGIFQI

KIDSCRFLWG YHRFMGSVGR VFEEWGDGSR RSRRHSPLWA WLKGDHRIRP SRSSQSAMLR SLVPR **Biological Activity:** Determined by its ability to stimulate the proliferation of Rat C6 cells.

The expected ED50 is 3.0-5.0 µg/ml. **Molecular weight:** 24.4 kDa (215 aa)

Add. Information: Centrifuge the vial prior to opening!

Storage: Store the lyophilized protein at -20°C.

Reconstituted Oncostatin-M should be stored in working aliquots at -20°C.

Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

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