

PRODUCT INFORMATION SUMMARY

Rat Oncostatin M

Purified Factor	Product Number	RC333290B	10.0 ug
		RC333290A	2.0 ug

DESCRIPTION:

Rat Oncostatin M (OSM) is a cytokine factor that exerts inhibitory effects on many neoplastic cells, including melanoma cells, but stimulates the growth of other cells, such as normal fibroblasts and Kaposi sarcoma cells. OSM has structural functional similarities with IL-6, CNTF and LIF. Rat Oncostatin M is a 26 kDa protein with 215 amino acid residues.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug Oncostatin M
Sterile filtered and lyophilized, additive-free.

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards, activity determined by stimulate Rat C6 cells (50% effect @ 4.0 ug/mL) and inhibition of alk. Phos. Activity of MC3T3 cells.

HANDLING AND STORAGE:

Purified Oncostatin M factor is provided lyophilized with no additives. Store lyophilized, at -20° C. Upon reconstitution with 50-100 uL distilled (or sterile) water, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage-up to 3 months, **with addition of 0.1% BSA**, at high concentration. Biological activity in range of 0.2 - 20.0 ng/mL.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE