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32-20325: Recombinant Rat Oncostatin M(Discontinued)

Reactivity : Human, Mouse, Rat
Alternative Name : OSM

Description

Source:E.coli
Oncostatin M (OSM) is a growth and differentiation factor that participates in the regulation of neurogenesis, osteogenesis and hematopoiesis.Â Produced by activated T cells, monocytes and KaposiÂ's sarcoma cells, OSM can exert both stimulatory and inhibitory effects on cell proliferation.Â It stimulates the proliferation of fibroblasts, smooth muscle cells and KaposiÂ's sarcoma cells, but inhibits the growth of some normal and tumor cell lines.Â 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 receptors in hepatoma cells.Â OSM shares several structural and functional characteristics with LIF, IL-6, and CNTF.Â Recombinant Rat Oncostatin M is a 24.4 kDa protein, containing 215 amino acid residues.

Product Info

Amount : 2 µg / 10 µg
Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MKRGCSSSSP KLLSQLKSQA NITGNTASLL EPYILHQNLN TLTLRAACTE HPVAFPSEDM LRQLSKPDFL STVHATLGRV WHQLGAFRQQ FPKIQDFPEL ERARQNIQGI RNNVYCMARL LHPPLEIPEP TQADSGTSRP TTTAPGIFQI KIDSCRFLWG YHRFMGSVGR VFEEWGDGSR RSRRHSPLWA WLKGDHRIRP SRSSQSAMLR SLVPR

Application Note

Assay #1:Determined by its ability to stimulate the proliferation of rat C6 cells. The expectedÃ□Â ED_{50}Ã□Â is 3.0-5.0 Ã□Âµg/ml. Assay #2: Determined by its ability to inhibit Alkaline phosphatase activity of differentiated MC3T3 E1 cells.