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32-20322: Recombinant Human Oncostatin M (227 a.a.)(Discontinued)

Reactivity : Dog, Human, Monkey, Mouse, Pig, 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 Human OSM is active on murine cells.Â Recombinant Human Oncostatin M is a 25.7 kDa protein, containing 227 amino acid residues (full length precursor).

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 : AAIGSCSKEY RVLLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLREHCR ERPGAFPSEE TLRGLGRRGF LQTLNATLGC VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARPNILG LRNNIYCMAQ LLDNSDTAEP TKAGRGASQP PTPTPASDAF QRKLEGCRFL HGYHRFMHSV GRVFSKWGES PNRSRRHSPH QALRKGVRRT RPSRKGKRLM TRGQLPR

Application Note

TheÃ Â ED_{50}Ã Â as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is <=2 ng/ml, corresponding to a specific activity of >= 5 x 10^5units/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.