

**Oncostatin-M (OSM) , Human**  
**Catalog # PVGS1041****Specification**

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**Oncostatin-M (OSM) , Human - Product Information****Species**  
Human**Sequence**

AAIGSCSKEY RVLLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLEHCR ERPGAFPSEE<br>  
TLRGLGRRGF LQTLNATLGC VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARPNILG<br>  
LRNNIYCMAQ LLDNSDTAEP TKAGRGASQP PTPPASDAF QRKLEGCRFL HGYHRFMHSV<br>  
GRVFSKWGES PNRSRRHSPH QALRKGVRRT RPSRKGKRLM TRGQLPR

**Purity**

> 95 % by SDS-PAGE and HPLC analyses.

**Endotoxin Level**

Less than 1 EU/ µg of rHuOSM as determined by LAL method.

**Formulation**

**Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.**

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

**Oncostatin-M (OSM) , Human - Additional Information****Target 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, OSM 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 mouse cells.

**Oncostatin-M (OSM) , Human - Protein Information****Oncostatin-M (OSM) , Human - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Oncostatin-M (OSM) , Human - Images**