

Active Recombinant Human OS protein, His-tagged

Cat. No. OSM-346H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human OS protein(P13725)(26~220 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	26-220 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Oncostatin M (OSM) is an approximately 30 KDa secreted cytokine belonging to the Interleukin-6 family. Like other members of the IL-6 family such as IL-11, CNTF, and Cardiotrophin-1, OSM plays crucial roles in inflammation, neuroprotection, hematopoiesis, metabolism and development. To test the effect of OSM on cell proliferation, TF-1 cells were seeded into triplicate wells of 96-well plates at a density of 20,000 cells/well with various concentrations of recombinant human OSM. After incubated for 72 hours, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8(CCK-8). Briefly, 10 μof CCK-8 solution was added to each well of the plate, then the absorbance at 450 nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37°C. Proliferation of TF-1 cells after incubation with OSM for 72 hours observed by inverted microscope was shown. Cell viability was assessed by CCK-8 (Cell Counting

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Kit-8) assay after incubation with recombinant human OSM for 72 hours. It was obvious that recombinant human OSM significantly increased cell viability of TF-1 cells, the EC50 was 0.08 ng/ml.

Molecular Mass 23.5kDa

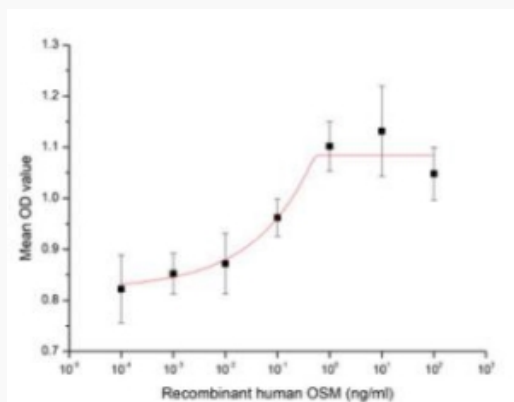
Endotoxin <1.0EU per 1µg (determined by the LAL method).

Purity > 95% as determined by SDS-PAGE.

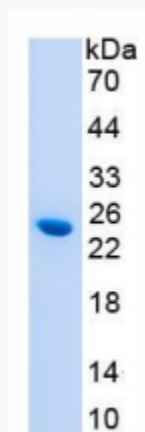
Storage Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Activity



SDS-PAGE



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