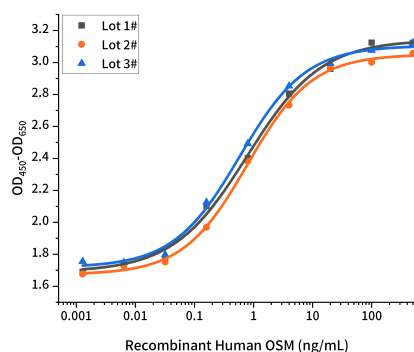


Recombinant Human OSM(Cat.No.:GMP-C099)

Source: E.Coli

Description: Recombinant human tumor suppressor M (OSM) is a glycoprotein belonging to the IL-6 cytokine family, which can inhibit the proliferation of various tumor cells and induce the differentiation of certain tumor cells. OSM can promote the differentiation of embryonic stem cells (ESCs) and induce the differentiation of pluripotent stem cells (iPSCs). OSM is also involved in many biological metabolic processes, including liver development, hematopoiesis, inflammation, bone formation, and destruction. Recombinant Human OSM is expressed by E.Coli, and is produced with raw materials of pharmaceutical applicable level. The host protein residue, nucleic acid residue and common pathogens are strictly controlled, and the production and quality management procedures of the product comply with GMP regulations to ensure the traceability of the production process and all raw materials.

Stability:



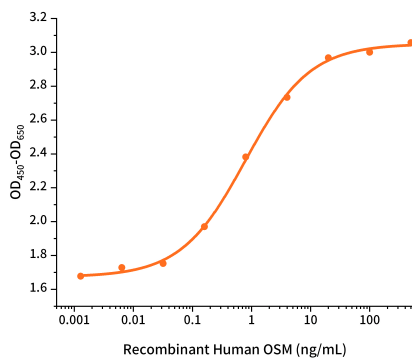
Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. Three independent lots were tested for activity and plotted on the same graph to show lot-to-lot consistency of OSM(Cat. No.:GMP-C099).

Shipping: Lyophilized product in powder form, 2-8°C temperature required for transport

Storage: Storage at -20±5 °C, expiration date labeled on bottle.

Bioactivity-Cell Based Assay:

Version26.2.1



Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The specific activity of Recombinant Human OSM (Cat. No.:GMP-C099) is $\geq 1.0 \times 10^7$ IU/mg, which is calibrated against the human OSM Standard (NIBSC code: 93/564).

Recommendations:

- (1) Make sure the product properly stored and none expired before using.
- (2) Please use water for injection for reconstitution, to a concentration $> 100 \mu\text{g/ml}$.
- (3) Sterile condition without pyrogen is required for reconstitution, re-aliquoting, dilution.
- (4) After reconstitution, aliquoted solution vials should be stored at -70°C and minimize freeze-thaw cycles preventing denaturation of protein.