

## Recombinant Human OSM

Cat. No.:MGC071 size : 10µg / 50µg / 1mg

### Characteristics:

**Source** Chinese Hamster Ovary cell line

**Description** Human OSM (Ala26-Arg221)  
Accession # P13725

**Predicted molecular mass** 22 kDa

### Specification:

**Appearance** White powder, Colorless clear liquid after reconstitution

**Purity** ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

**Endotoxin** ≤0.01EU/µg by the LAL method

**Activity** Measured in a cell proliferation assay using TF-1 cells. The ED<sub>50</sub> for this effect is ≤ 2 ng/mL.

**Formulation** Lyophilized from a 0.22 µm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

### Handling and Storage:

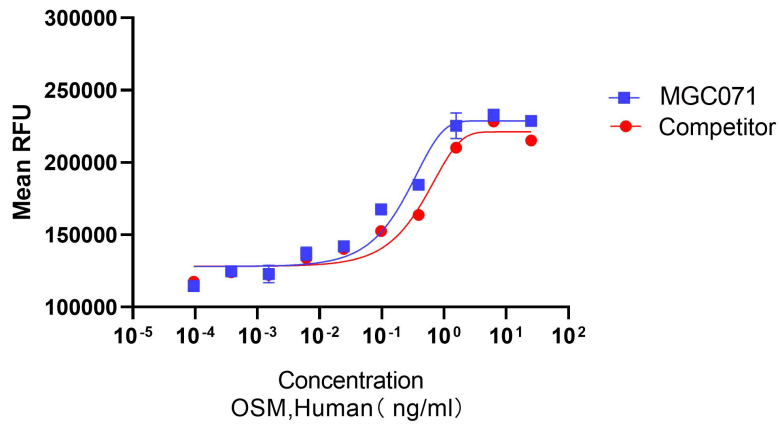
**Reconstitution** It is recommended to redissolve in sterile deionized water.

**Shipping** Wet ice (seasonal)

**Storage & Stability** 36 months at -20°C to -80°C in lyophilized state  
6 months at -20°C to -80°C under sterile conditions after reconstitution  
7-10 days at 2°C to 8°C under sterile conditions after reconstitution  
**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

**Data:**

**Bioactivity**



Human OSM (Cat. No. MGC071) stimulates proliferation of TF-1 cells. The specific activity of Recombinant Human OSM is  $\leq 2$  ng/ mL. The activity of Recombinant Human OSM (Cat. No. MGC071) was higher than the other competing product.

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