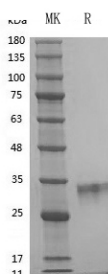


## Summary

<b>Name</b>	OSM
<b>Purity</b>	Greater than 98% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	≤10 EU/mg
<b>Construction</b>	Recombinant Human OSM is produced by our Mammalian cell expression system and the target gene encoding Ala26-Arg221 is expressed.
<b>Accession #</b>	P13725
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	22 kDa
<b>Formulation</b>	Lyophilized From PBS,5% mannitol and 0.01% Tween 80, pH7.4
<b>Shipping</b>	The product is shipped on dry ice/polar packs.Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt.Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening.Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100µg/ml.Dissolve the lyophilized protein in distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

**Product Name: Recombinant Human OSM**  
**Catalog #: PCH2532**

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**Alternative Names**

Oncostatin-M; OSM

**Background**

Oncostatin M (OSM) is a glycoprotein belonging to the interleukin-6 family of cytokines that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. OSM encodes a growth regulator, which inhibits the proliferation of a number of tumor cell lines. It stimulates proliferation of AIDS-KS cells. OSM regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. OSM is considered as a pleiotropic cytokine that initiates its biological activities through specific cell surface receptors. The low affinity LIF receptor that shares the similarity of containing protein gp130 has now been identified to be a component of a high-affinity OSM receptor that will transduce OSM signals. OSM has also been shown to play a role in both pro and anti-inflammatory actions. OSM may also be involved in many biometabolism processes including liver development, haematopoiesis, inflammation, bone formation and destruction and possibly CNS development.

**Note**

For Research Use Only , Not for Diagnostic Use.