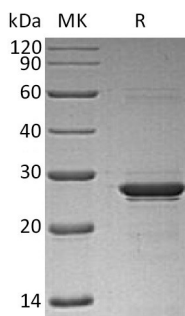


Summary

Name	Oncostatin M/OSM
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<0.01 EU/μg as determined by LAL test.
Construction	Recombinant Human Oncostatin M is produced by our E.coli expression system and the target gene encoding Ala26-Arg221 is expressed with a 6His tag at the N-terminus.
Accession #	P13725
Host	E.coli
Species	Human
Predicted Molecular Mass	24.44 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mMTris-HCl, 1mM EDTA, 200mM NaCl, pH 7.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	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. 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 (N-6His)
Catalog #: PEH2009



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.