Biotinylated Recombinant Human Oncostatin-M /OSM Protein

Catalog No.: RP02464B

Sequence Information

Species
Human

Gene ID
5008

Swiss Prot
P13725

Tags
C-His&Avi

Synonyms
OSM, oncostatin-M

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
25.1 kDa

Observed MW
30-40 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

OSM is a pleiotropic cytokine that initiates its biological activities by binding to specific cell surface receptors. Inhibits the proliferation of a number of tumor cell lines. Stimulates proliferation of AIDS-KS cells. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. Uses both type I OSM receptor (heterodimers composed of LIFR and IL6ST) and type II OSM receptor (heterodimers composed of OSMR and IL6ST). Involved in the maturation of fetal hepatocytes, thereby promoting liver development and regeneration.

Basic Information

Description
Biotinylated Recombinant Human Oncostatin-M/OSM Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala26-Arg221) of Human Oncostatin-M fused with a His tag and Avi tag at the C-terminal.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

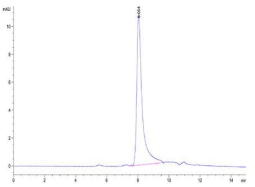
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

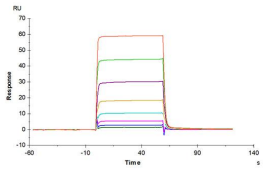
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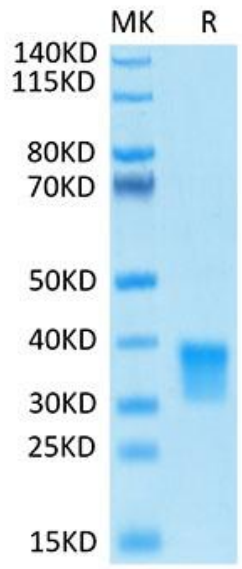
Validation Data



The purity of Biotinylated Oncostatin M is greater than 95% as determined by SEC-HPLC.



Human LIF R, His Tag immobilized on CM5 Chip can bind Biotinylated Human Oncostatin M, His Tag with an affinity constant of 0.94 μM as determined in SPR assay (Biacore T200).



Biotinylated Recombinant Human Oncostatin-M/OSM Protein was determined by Tris-Bis PAGE under reducing conditions.