

Biotinylated Recombinant Human Oncostatin-M/OSM Protein

Catalog No.: RP02464B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5008	P13725

Tags

C-His&Avi

Synonyms

OSM; oncostatin-M

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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

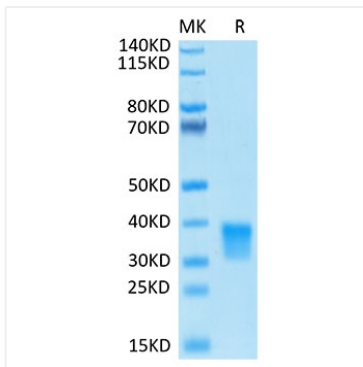
Biotinylated Recombinant Human Oncostatin-M/OSM Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala26-Arg221) of Human Oncostatin-M fused with a His tag and Avi tag at the C-terminal.

Bio-Activity

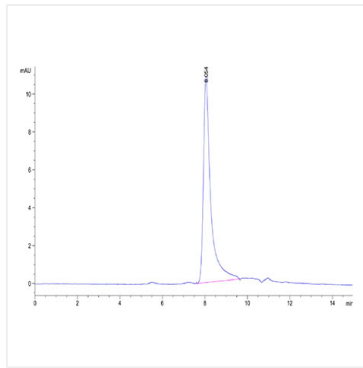
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

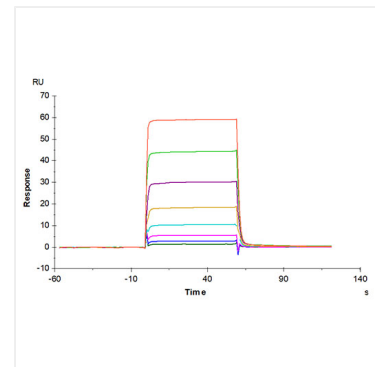
Validation Data



Biotinylated Oncostatin M on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



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 μ M as determined in SPR assay (Biacore T200).