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Recombinant Mouse Oncostatin-M/OSM Protein

Catalog No.: RP01639 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	18413	P53347

Tags
C-His

Synonyms
OncoM;OSM

Product Information

Source
HEK293 cells

Purification
> 97% by SDS-PAGE.

Endotoxin
<0.1EU/μg

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

Reconstitution
Centrifuge the vial 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.

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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.

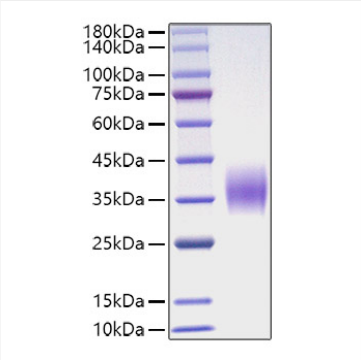
Basic Information

Description
Recombinant Mouse Oncostatin-M/OSM Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met 1-Arg 206) of mouse Oncostatin-M/OSM (Accession #NP_001013383.1.) fused with and a 6×His tag at the C-terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80°C for 12 months.
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



Recombinant Mouse Oncostatin-M/OSM Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 30 kDa.