

Rev03
 Update: Aug,08,2025

DATASHEET

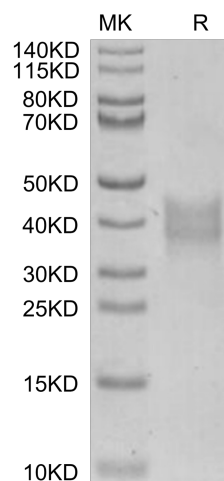
Oncostatin M/OSM, His, Mouse

Cat. No.: Z06291

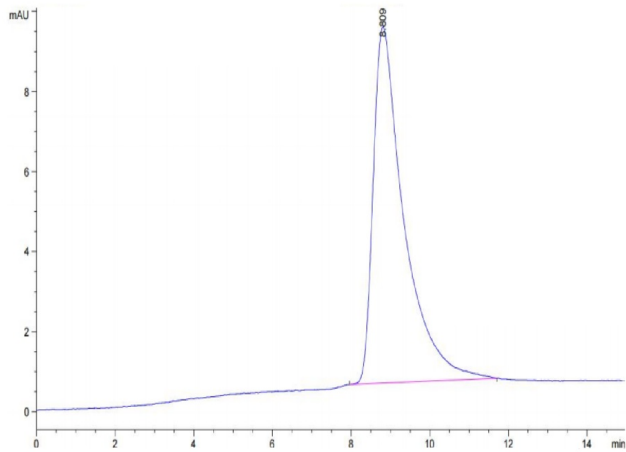
Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> Oncostatin M/OSM (Asn25-Arg206)_x000D_ Accession # P53347 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> His </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	21.64 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



Oncostatin M/OSM, His, Mouse on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of Oncostatin M/OSM, His, Mouse is greater than 95% as determined by SEC-HPLC.

Background

Target 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.

Synonyms : Oncostatin M; OSM; MGC20461; Oncostatin-M

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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