

Cynomolgus Oncostatin M/OSM Protein



Cat. No. OSM-CM102

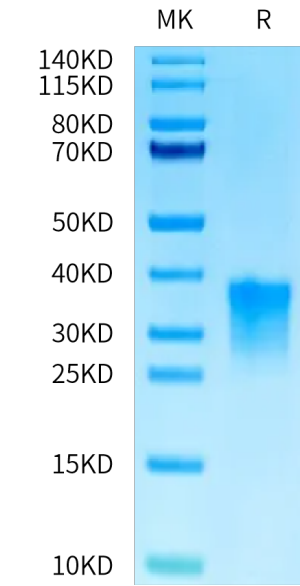
Description	
Source	Recombinant Cynomolgus Oncostatin M/OSM Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ala27-Arg221.
Accession	XP_045219762.1
Molecular Weight	The protein has a predicted MW of 23.31 kDa. Due to glycosylation, the protein migrates to 27-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.	

Assay Data

Bis-Tris PAGE



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

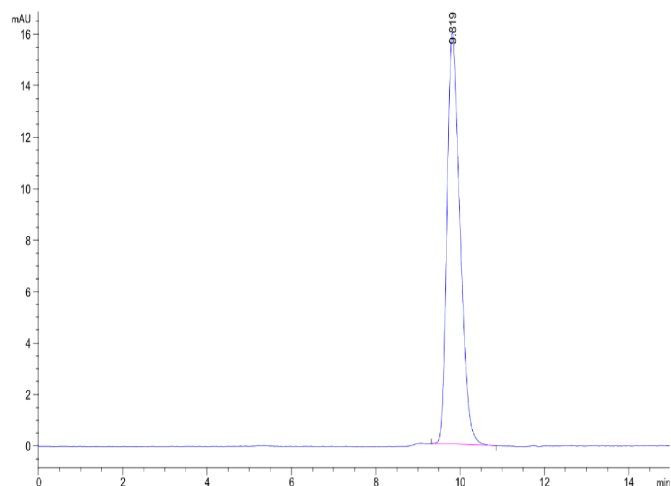
SEC-HPLC

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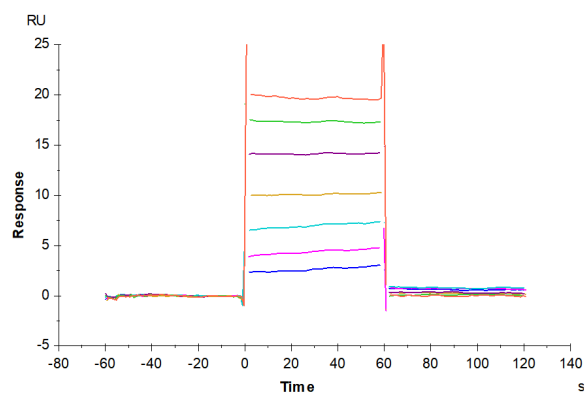


Assay Data



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

SPR Data



Human LIF R, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus OSM, His Tag with an affinity constant of 1.31 μM as determined in SPR assay (Biacore T200).