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# Oncostatin M Protein (OSM) (His-Avi Tag, Biotin)

2 Images



#### Overview

Quantity:	100 μg
Target:	Oncostatin M (OSM)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Oncostatin M protein is labelled with His-Avi Tag,Biotin.

#### **Product Details**

Sequence:	Ala26-Arg221
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

#### **Target Details**

Target:	Oncostatin M (OSM)
Alternative Name:	Oncostatin M (OSM Products)
Background:	Oncostatin M, OSM, MGC20461,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

# **Target Details**

	composed of OSMR and IL6ST). Involved in the maturation of fetal hepatocytes, thereby promoting liver development and regeneration.
Molecular Weight:	25.1 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
UniProt:	P13725
Pathways:	JAK-STAT Signaling, Negative Regulation of Hormone Secretion

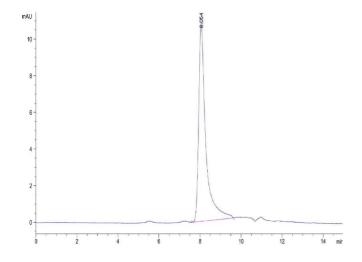
# **Application Details**

ons: For Research Use only	
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# Handling

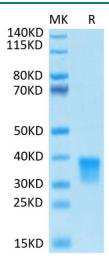
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

### **Images**



# Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Biotinylated Oncostatin M is greater than 95 % as determined by SEC-HPLC.



#### **SDS-PAGE**

 $\label{lemage 2.} \textbf{Biotinylated Oncostatin M on Tris-Bis PAGE under } \\ \textbf{reduced conditions. The purity is greater than 95 \%} \, .$