



Datasheet for ABIN7275386

## Oncostatin M Protein (OSM) (AA 25-206) (His tag)



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	Oncostatin M (OSM)
Protein Characteristics:	AA 25-206
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Oncostatin M protein is labelled with His tag.

#### Product Details

Purpose:	Mouse Oncostatin M/OSM Protein
Sequence:	Asn25-Arg206
Characteristics:	Recombinant Mouse Oncostatin M/OSM Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Asn25-Arg206.
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 ( <a href="#">OSM Products</a> )

## Target Details

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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.
Molecular Weight:	21.64 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P53347</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Negative Regulation of Hormone Secretion</a>

## Application Details

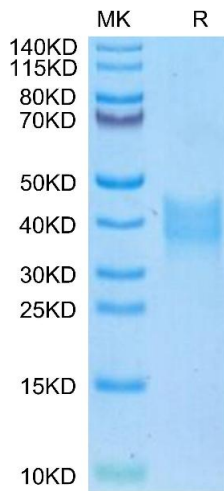
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Restrictions: For Research Use only

## Handling

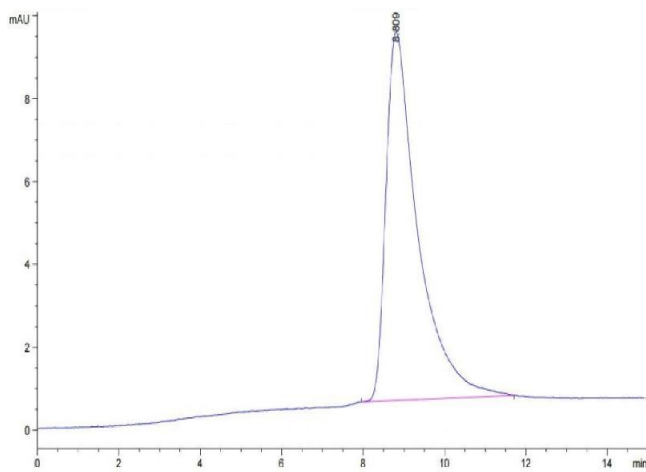
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



### SDS-PAGE

**Image 1.** Mouse OSM on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse OSM is greater than 95 % as determined by SEC-HPLC.