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Datasheet for ABIN7520373

**Oncostatin M Protein (OSM) (His tag)**

## Overview

Quantity:	10 µg
Target:	Oncostatin M (OSM)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Oncostatin M protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Oncostatin-M/OSM Protein
Sequence:	MQTRLLRTLL SLTSLLLILS MALANRGCSN SSSQLLSQLQ NQANLTGNTE SLLEPYIRLQ NLNTPDLRAA CTQHSVAFPS EDTLRQLSKP HFLSTVYTTL DRVLYQLDAL RQKFLKTPAF PKLDSARHNI LGIRNNVFCM ARLLNHSLEI PEPTQTDSGA SRSTTPDVF NTKIGSCGFL WGYHRFMGSV GRVFREWDDG STRSRR
Specificity:	Met 1-Arg 206
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

## Target Details

Target:	Oncostatin M (OSM)
Alternative Name:	Oncostatin-M/OSM ( <a href="#">OSM Products</a> )

## Target Details

Background:	<p>Description: 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.</p> <p>Name: OncoM,OSM</p>
Gene ID:	18413
UniProt:	<a href="#">P53347</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Negative Regulation of Hormone Secretion</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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 stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	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.