

Product datasheet

Recombinant human Oncostatin M/OSM protein (Animal Free) ab218093

1 Image

Description

<b>Product name</b>	Recombinant human Oncostatin M/OSM protein (Animal Free)	
<b>Biological activity</b>	The activity is determined by the ability to induce proliferation of TF-1 cells and is typically less than 0.20 ng/mL. This corresponds to an expected specific activity of 5 x 10 <sup>6</sup> units/mg.	
<b>Purity</b>	> 95 % SDS-PAGE. Purity is approximately 95% as determined by RP-HPLC and reducing and non-reducing SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/µg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P13725</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	Yes	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MAAIGSCSKE YRVLLGQLQK QTDLMQDTSR LLDPYIRIQG LDVPKLREHC RERPGAFPSE ETLRGLGRRG FLQTLNATLG CVLHRLADLE QRLPKAQDLE RSGLNIEDLE KLQMARPNIL GLRNNIYCMA QLLDNSDTAE PTKAGRGASQ PPTPTPASDA FQRKLEGCRF LHGYHRFMHS VGRVFSKWGE SPNRSRRHSP HQALRKGVRR	
<b>Predicted molecular weight</b>	24 kDa	
<b>Amino acids</b>	25 to 234	
<b>Additional sequence information</b>	This product is for the mature full length protein. The signal peptide and propeptide are not included.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab218093** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Form</b>	Lyophilized

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituent: 0.16% Sodium phosphate This product is an active protein and may elicit a biological response in vivo, handle with caution.
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<b>Reconstitution</b>	Reconstitute in sterile water at 0.1 mg/mL. Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.
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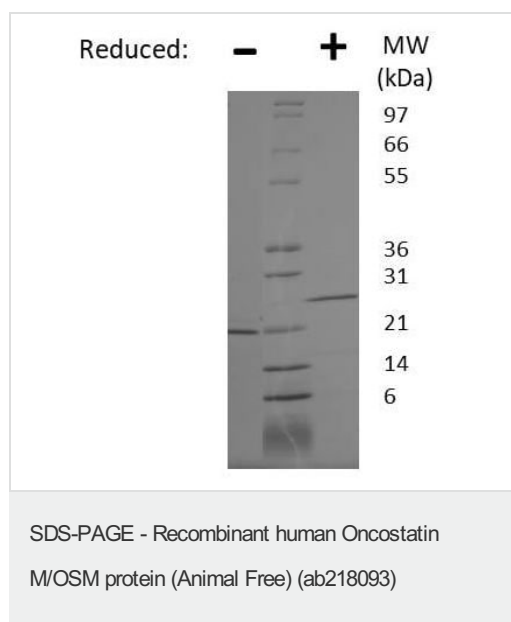
### General Info

<b>Function</b>	Growth regulator. 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 LIPR and IL6ST) and type II OSM receptor (heterodimers composed of OSMR and IL6ST).
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<b>Sequence similarities</b>	Belongs to the LIF/OSM family.
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<b>Cellular localization</b>	Secreted.
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### Images



SDS PAGE analysis of ab218093 under non-reducing (-) and reducing (+) conditions. Stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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