

Datasheet for ABIN7319509

Oncostatin M Protein (OSM) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Oncostatin M (OSM)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Oncostatin M protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Oncostatin M/OSM Protein (His Tag)(Active)
Sequence:	Ala26-Arg221
Characteristics:	Recombinant Human Oncostatin M is produced by our E.coli expression system and the target gene encoding Ala26-Arg221 is expressed with a 6His tag at the N-terminus .
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by the dose-dependent stimulation of TF-1 cells. The ED50 for this effect is 0.2-1ng/ml.

Target Details

Target:	Oncostatin M (OSM)
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Target Details

Alternative Name:	Oncostatin M/OSM (OSM Products)
Background:	<p>Background: Oncostatin M (OSM) is a glycoprotein belonging to the interleukin-6 family of cytokines that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. OSM encodes a growth regulator, which Inhibits the proliferation of a number of tumor cell lines. It stimulates proliferation of AIDS-KS cells. OSM regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. OSM is considered as a pleiotropic cytokine that initiates its biological activities through specific cell surface receptors. The low affinity LIF receptor that shares the similarity of containing protein gp130 has now been identified to be a component of a high- affinity OSM receptor that will transduce OSM signals. OSM has also been shown to play a role in both pro and anti-inflammatory actions. OSM may also be involved in many biometabolism processes including liver development, haematopoiesis, inflammation, bone formation and destruction and possibly CNS development.</p> <p>Synonym: Oncostatin-M, OSM</p>
Molecular Weight:	24.44 kDa
UniProt:	P13725
Pathways:	JAK-STAT Signaling , Negative Regulation of Hormone Secretion

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>