

Datasheet for ABIN7455625

Oncostatin M Protein (OSM) (His tag)[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	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.
Characteristics:	Extracellular Domain Protein
Purification:	Affinity purification
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	Oncostatin M (OSM)
Alternative Name:	OSM (OSM Products)
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

Target Details

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, haematopoeisis, inflammation, bone formation and destruction and possibly CNS development.

Molecular Weight: 24.44 KDa

UniProt: [P13725](#)

Pathways: [JAK-STAT Signaling](#), [Negative Regulation of Hormone Secretion](#)

Application Details

Restrictions: For Research Use only

Handling

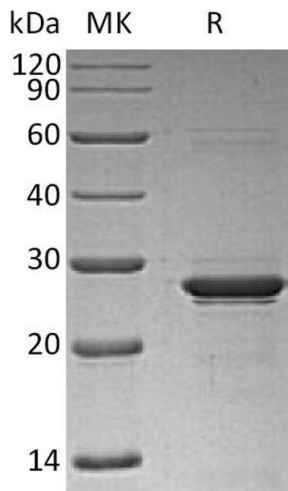
Format: Lyophilized

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 1 mM EDTA, 200 mM NaCl, pH 7.5.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Greater than 95 % as determined by reducing SDS-PAGE.