

Datasheet for ABIN2018306

Oncostatin M Protein (OSM) (AA 24-206)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Oncostatin M (OSM)
Protein Characteristics:	AA 24-206
Origin:	Mouse
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 0.4 ng/mL, measured in a cell proliferation assay using NIH-3T3 cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	Oncostatin M (OSM)
Alternative Name:	Oncostatin-M (OSM) (OSM Products)
Background:	<p>Oncostatin-M, also known as OSM, is a growth regulator belonging to the interleukin-6 group of cytokines. It is expressed mainly by monocytes, activated T cells and Kaposi's sarcoma cells.</p> <p>OSM signals through two types of receptors, one is composed of gp130 and LIFR, and the other is composed of gp130 and OSMR. OSM regulates IL-6, G-CSF and GM-CSF production, and thus is involved in hematopoiesis, neurogenesis and osteogenesis. OSM displays both</p>

Target Details

	stimulatory and inhibitory effects, so its categorization as pro-inflammatory or anti-inflammatory cytokine is still controversial. Synonyms: OSM
Molecular Weight:	10-40 kDa, observed by reducing SDS-PAGE.
UniProt:	P53347
Pathways:	JAK-STAT Signaling , Negative Regulation of Hormone Secretion

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Murine Oncostatin-M remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Murine Oncostatin-M should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.
Expiry Date:	6 months