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Datasheet for ABIN7504489

Oncostatin M Protein (OSM) (AA 27-207) (His tag)

Overview

Quantity:	100 µg
Target:	Oncostatin M (OSM)
Protein Characteristics:	AA 27-207
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Oncostatin M protein is labelled with His tag.

Product Details

Purpose:	Canine Oncostatin M/OSM Protein
Sequence:	Ser27-Arg207
Characteristics:	Recombinant Canine Oncostatin M/OSM Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ser27-Arg207.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

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

Target Details

Background:	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.
Molecular Weight:	21.65 kDa. Due to glycosylation, the protein migrates to 27-35 kDa based on Tris-Bis PAGE result.
UniProt:	A0A8I3Q5M1
Pathways:	JAK-STAT Signaling , Negative Regulation of Hormone Secretion

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months