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#### 版本号: IN-PA-79-00

# CHASELECTION

**Recombinant Mouse Oncostatin(OSM)** 

货号(Catalog Number): CY169FXXXX(L)

别名(synonym): MGC20461; oncostatin M; oncostatin-M; OSM

来源(Source): Human embryonic kidney cell,

HEK293-derived mouse Oncostatin M/OSM protein

## 蛋白结构(Structure):

该蛋白不含标签

基因 ID: P53347

### **氨基酸序列**: Ala24-Arg206

## 分子量大小(MW):

20.5 kDa

## 纯度(Purity):

> 95%, determined by SDS-PAGE

## SDS-PAGE



4 ug/lane protein was resolved with SDS-PAGE under non-reducing (NR) and reducing (R) conditions and visualized by Coomassie Blue staining.

内毒素含量(Endotoxin): <0.010 EU per 1 ug of the protein by the LAL method

#### 制剂(Formulation):

Solution protein. Dissolved in sterile PBS buffer. This solution can be diluted into other aqueous buffers. Centrifuge the vial prior to opening.



### 活性检测(Biological Activity):



Recombinant mouse Oncostatin M/OSM stimulates cell proliferation of the NIH-3T3 mouse embryonic fibroblast cells

#### 储存与运输(Storage):

Avoid repeated freeze-thaw cycles.

It is recommended that the protein be aliquoted for optimal storage.

36 months from date of receipt, -20 to -70  $^{\circ}$ C as supplied.

## 产品背景介绍 (Production):

Oncostatin M (OSM) is a member of a cytokine subfamily that includes IL-6, IL-11, LIF, CNTF, and cardiotrophin-1. These cytokines have overlapping biological functions and shared receptor components. Mouse OSM was cloned and identified as an immediate early gene induced in various myeloid and lymphoid cell lines by a subset of cytokines including IL-2, IL-3, GM-CSF and EPO. The mouse OSM cDNA encodes a 263 amino acid residue precursor protein that shows 48% identity with human OSM. Similar to human OSM, the C-terminal region of mouse OSM contains a highly charged region. Deletion of this C-terminal region appears to be essential for the formation of biologically active mOSM. The biological activity of human OSM has been shown to be mediated either by the LIF/OSM receptor complex composed of gp130 and LIF R alpha or by a human OSM specific receptor composed of gp130 and OSM R alpha. It remains to be determined if the biological activities of mouse OSM can also be mediated by both receptor complexes in mouse cells.