



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Oncostatin M, human recombinant (rHuOSM)

**Catalog No:** 51571  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** OSM, MGC20461

### Background

Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells.

### Description

OSM human recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 227 amino acids and having a molecular mass of 26 kDa. OSM is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a concentrated (1 mg/ml) solution containing PBS pH 7.4.

### Solubility

It is recommended to reconstitute the lyophilized Oncostatin M in sterile 18 M $\Omega$ -cm H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized Oncostatin M, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Oncostatin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Amino Acid Sequence

AAIGSCSKEY RVLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLRHCR ERPGAFPSEE TLRGLGRRGF LQTLNATLGC  
VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARPNILG LRNNIYCMAQ LLDNSDTAEP TKAGRGASQP PTPTPASDAF  
QRKLEGCRFL HGYHRFMHSV GRVFSKWGES PNRSRRHSPH QALRKGVRRT RPSRKGKRLM TRGQLPR

### Activity

The ED<sub>50</sub> as determined by the dose-dependant stimulation of Human TF-1 cells is <2 ng/ml, corresponding to a specific activity of 500,000 IU/mg.

### Usage

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