



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

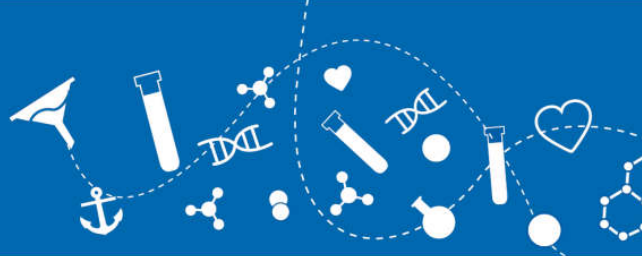
T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



Oncostatin M (209 amino acids), human recombinant (rHuOSM)

Catalog No: 97241
Lot No: XXXXX
Source: *E. coli*
Synonyms: OSM, MGC20461, Oncostatin M

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 (209aa) human recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 209 amino acids and having a molecular mass of 23.9 kDa. Oncostatin-M (209) is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Oncostatin-M was lyophilized from a concentrated (1 mg/ml) solution containing 1x PBS pH 7.4.

Solubility

It is recommended to reconstitute the lyophilized Oncostatin-M (209 a.a.) in sterile 18 M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Oncostatin-M (209 aa), although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Oncostatin-M (209 a.a.) 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 97.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Amino Acid Sequence

AAIGSCSKEY RVLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLEHCR ERPGAFPSEE TLRGLGRRGF LQTLNATLGC
VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARPNIIG LRNNIYCMAQ LLDNSDTAEP TKAGRGASQP PTPTPASDAF
QRKLEGCRFL HGYHRFMHSV GRVFKWGESP NRSRRHSPHQ ALRKGVRR

Activity

The ED₅₀ 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

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.