

Human Oncostatin M (209aa)

Synonyms: OSM, MGC20461, Oncostatin M.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1785.950.002		
10 µg	1785.950.010		
1 mg	1785.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Oncostatin-M (209 a.a.) Human Recombinant produced in *E. Coli* is a single, non-glycosylated polypeptide chain containing 209 amino acids and having a molecular mass of 23.9kDa.

- **Biological Activity** $\geq 5 \times 10^5$ IU/mg
- **Source** *E. Coli*
- **Purity** $\geq 97\%$ (SDS-PAGE, RP-HPLC)
- **Endotoxin level** $\leq 0.1\text{ng}/\mu\text{g}$ ($\leq 1\text{EU}/\mu\text{g}$)
- **Buffer** Oncostatin-M (209 a.a.) was lyophilized from a concentrated (1mg/ml) solution containing 1x PBS pH-7.4*
- **Physical state** Sterile filtered, lyophilized

Biological 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.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Oncostatin-M (209 a.a.) 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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

AAIGSCSKEY RVLLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLREHCR ERPGAFPSEE TLRGLGRRGF
 LQTLNATLGC VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARPNILG LRNNIYCMAQ LLDNSDTAEP
 TKAGRGASQP PTPTPASDAF QRKLEGCRFL HGYHRFMHSV GRVFKWGESP NRSRRHSPHQ ALRKGVRR

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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