

## Human Oncostatin M (227aa)

Synonyms: OSM, MGC20461.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order #	Lot #	Expiry Date
2 µg	1786.950.002		
10 µg	1786.950.010		
1 mg	1786.950.199		

Please enquire for bulk quantities and other vial sizes

### Description

Oncostatin-M Human Recombinant produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 227 amino acids and having a molecular mass of 26kDa.

- **Biological Activity**  $\geq 5 \times 10^5$  IU/mg
- **Source** *E. Coli*
- **Purity**  $\geq 95$  % (SDS-PAGE, RP-HPLC)
- **Endotoxin level**  $\leq 0.1$ ng/µg ( $\leq 1$ EU/µg)
- **Buffer** Lyophilized from a concentrated (1mg/ml) solution containing PBS pH-7.4\*
- **Physical state** Sterile filtered, lyophilized

### Biological 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 500,000IU/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 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 avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

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

**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.

ORDERING  
 Tel.: +49 40 43208448-0  
 order@active-bioscience.de  
 www.active-bioscience.de

TECHNICAL SUPPORT  
 Tel.: +49 40 43208448-11  
 support@active-bioscience.de

Active Bioscience GmbH  
 Oberaltenallee 8  
 D-22081 Hamburg  
 HRB 98170 Amtsgericht Hamburg