

Oncostatin-M Human Recombinant (195 a.a.)

Item Number	rAP-2394
Synonyms	OSM, MGC20461, Oncostatin M.
Description	Oncostatin-M Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 195 amino acids and having a molecular mass of 22kDa. The OSM is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P13725
Amino Acid Sequence	AAIGSCSKEY RVLLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLREHCR ERPGAFFSEE TLR-GLGRRGF LQTLNATLGC VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARPNILG LRNNIYCMAQ LLDNSDTAEP TKAGRGASQP PTPPASDAF QRKLEGCRFL HGYHRFMHSV GRVFSKWGES PNRSR.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a concentrated (1mg/ml) solution containing 1xPBS pH-7.4. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Oncostatin M in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is < 0.2ng/ml, corresponding to a specific activity of > 5.0x106 units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**