

Oncostatin-M Human Recombinant

Item Number	rAP-2392
Synonyms	OSM, MGC20461.
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. The OSM is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P13725
Amino Acid Sequence	AAIGSCSKEY RVLLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLREHCRERPGAFPSEE TLR-GLGRRGF LQTLNATLGC VLHRLADLEQ RLPKAQDLERSGLNIEDLEK LQMARPNILG LRNNIYCMAQ LLDNSDTAEP TKAGRGASQPPTPTPASDAF QRKLEGCRFL HGYHRFMHSV GRVFSKWGES PNRS-RRHSPHQALRKGVRRRT RPSRKGKRLM TRGQLPR.
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 PBS pH-7.4. Greater than 95.0% 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 H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ 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.
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**