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DATA SHEET

Oncostatin M Human Recombinant (209 a.a.)

Item Number	rAP-2393
Synonyms	OSM, MGC20461, Oncostatin M.
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. The Oncostatin-M (209 a.a.) is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P13725
Amino Acid Sequence	AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLREHCRERP-GAFPSEETLRGLGRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNI YCMAQLLDNSDTAEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYHRFMHSVGRVFKWGESPNRS RRHSPHQALRKGVRR.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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 prevent freeze-thaw cycles.
Formulation and Purity	Oncostatin-M (209 a.a.) was lyophilized from a concentrated (1mg/ml) solution containing 1x PBS 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 (209 a.a.) 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-dependant stimulation of Human TF-1 cells is < 2 ng/ml, corresponding to a Specific Activity of 500,000 IU/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