

**Oncostatin, Human Recombinant (209 a.a.)****CATALOG NUMBER: COS-639-010P, 10 µg**

<b>Synonyms</b>	OSM, MGC20461, Oncostatin M.
<b>Introduction</b>	Oncostatin M is a member of a cytokine family that includes leukemia-inhibitory factor, granulocyte colony-stimulating factor, and interleukin 6. This gene encodes a growth regulator which inhibits the proliferation of a number of tumor cell lines. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells.
<b>Description</b>	<p>Oncostatin-M (209 a.a.) Human Recombinant produced in <i>E. coli</i> is a single, non-glycosylated polypeptide chain containing 209 amino acids and having a molecular mass of 23.9kDa.</p> <p>The Oncostatin-M (209 a.a.) is purified by proprietary chromatographic techniques.</p>
<b>Source</b>	<i>Escherichia coli</i> .
<b>Amino Acid Sequence</b>	AAIGSCSKEY RVLGQLQKQ TDLMQDTSRL LDPYIRIQGL DVPKLEHCR ERPGAFPSEE TLRGLGRRGF LQTLNATLGC VLHRLADLEQ RLPKAQDLER SGLNIEDLEK LQMARNILG LRNNIYCMAQ LLDNSDTAEP TKAGRGASQP PTPTPASDAF QRKLEGCRFL HGYHRFMHSV GRVFKWGESP NRSRRHSPHQ ALRKGVRR
<b>Biological Activity</b>	The ED <sub>50</sub> as determined by the dose-dependent stimulation of Human TF-1 cells is < 2 ng/ml, corresponding to a Specific Activity of 5 x 10 <sup>5</sup> IU/mg.
<b>Formulation</b>	Oncostatin-M (209 a.a.) was lyophilized from a concentrated (1mg/ml) solution containing 1x PBS pH7.4.
<b>Storage</b>	<p>Although lyophilized Oncostatin-M (209 a.a.) is stable at room temperature for 3 weeks, it should be stored desiccated below -18°C.</p> <p>It is recommended to reconstitute the lyophilized Oncostatin-M (209 a.a.) in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.</p> <p>Upon reconstitution Oncostatin-M (209 a.a.) should be stored at 4°C between 2-7 days and below -18°C for future use.</p>

For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Purity**

Greater than 97% as determined by RP-HPLC and SDS-PAGE.