

Product Datasheet

Rat Oncostatin M protein (orb107792)

Description	Recombinant Rat Oncostatin-M (OSM) is a multifunctional cytokine that belongs to the Interleukin-6 subfamily. Among the family members, OSM is most closely related to leukemia inhibitory factor (LIF) and it in fact utilizes the LIF receptor in addition to its specific receptor in the human. A biologically active OSM receptor has been previously described that consists of a heterodimer of leukemia inhibitory factor receptor (LIFR) and gp130. OSM is synthesized by stimulated T-cells and monocytes. Furthermore, the effects of OSM on endothelial cells suggest a pro-inflammatory role for OSM and endothelial cells possess a large number of OSM receptors. Recombinant murine OSM contains 215 amino acids and has a molecular mass of 22.4 kDa. It has approximately 48 % and 72 % amino acid sequence identity with human and murine OSM.
Conjugation	Unconjugated
Tested Applications	HPLC, SDS-PAGE
Target	Oncostatin M
Preservatives	Lyophilized from a 0.2 µm filtered concentrated solution in 2xPBS, 1 % Tween-80
Storage	Store at 4°C for up to two weeks. For long term storage, aliquot and store at -20°C, avoid freeze/thaw cycles.
Note	For research use only
Protein Sequence	KRGCSSSSPK LLSQLKSQAN ITGNTASLLE PYILHQNLNT LTLRAACTEH PVAFPSEDMLRQLSKPDFLS TVHATLGRVW HQLGAFRQQF PKIQDFPELE RARQNIQGIR NNVYCMARLLHPPLEIPEPT QADSGTSRPT TTAPGIFQIK IDSCRFLWGY HRFMGSVGRV FEEWGDGSRRSRRHSPLWAW LKGDHRIRPS RSSQSAMLRS LVPR
Purity	> 96 % by SDS-PAGE and HPLC analyses
MW	24.3 kDa
Expiration Date	6 months from date of receipt.

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